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62.23

"Flower Seeds for Florists"

LIBRARY RECEIVED
JUN 13 1942
U. S. Department of Agriculture

QUALITY
SERVICE

"BETTER TIMES"

. . . . is the new Better Times rose color in forcing Snaps. With us a sowing around July 20th gets in full crop for Xmas. Its extra early growth mustn't get hardened by early sowing. Keep it moving.

$2.00 PER PKT.

Geo. J. Ball INC.
WEST CHICAGO
ILLINOIS

CATALOG NO. 44
JUNE 1942

BALL BETTER PLANT BANDS

Higher Quality Greater Profits

LET US HELP YOU FIND THE BANDS FOR YOUR JOB

SEND FOR FOLDER

Just how these Bands can help you is fully described. Glad to send you samples of any size band you want. Write.

Here's transplanting insurance

Picturing Buddleia plant in 6-inch band that has been potted up a year. Many other plants can be handled in this manner with these very practical bands. Can be moved as necessary if those with bottoms are used.

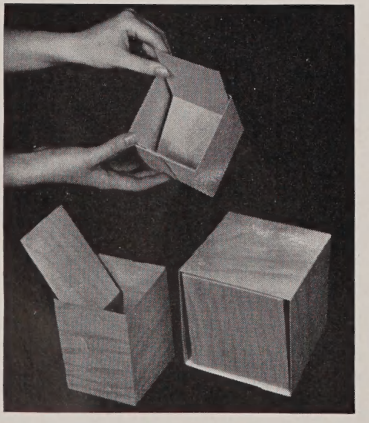


Photo above shows plant bands with bottoms which now come in six sizes, delivered to you with bottoms attached.

BALL BANDS ARE *Easy* TO USE!

PLACING THE BANDS

A putty knife is the easiest way to open these bands. Give the bands a light spray with water before opening. The long fibered spruce used in these bands prevents breaking at the folds.

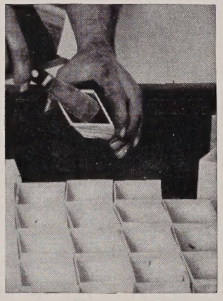
Disease-free, Ball Bands also do not contain materials injurious to plant growth.

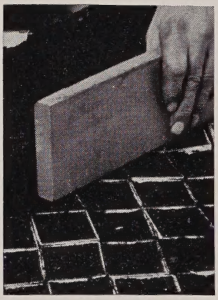
FILLING THE BANDS

The same method may be used whether your bands are in flats or placed in entire bench. Larger sizes available with bottoms to prevent loss of soil in moving. This arrangement of bands assures more uniform moisture supply for your seedlings.

REMOVING THE BANDS

An upward stroke along the fold with a sharp knife quickly removes the bands. Some growers leave plants right in bands. The extra soil—2½ times that of the same size clay pot—makes it unnecessary to shift your plants.





Sizes and Prices ORDER NOW!

Prices given are F.O.B. our Warehouse, West Chicago

	Wt. per 1000
1¾x1¾x2½	
500..$1.40	
1000..2.60	19 lbs.
2x2x3	
500..$1.55	
1000..2.90	24 lbs.
2½x2½x3	
500..$1.60	
1000..3.10	33 lbs.
3x3x3	
500..$1.95	
1000..3.70	38 lbs.
3x3x4	
500..$2.25	
1000..4.30	44 lbs.
4x4x3	
500..$2.10	
1000..3.95	45 lbs.

	Wt. per 1000
4x4x4	
500..$2.65	
1000..5.10	63 lbs.
3x3x6	
500..$3.15	
1000..6.15	66 lbs.
4x4x6	
500..$3.65	
1000..7.20	82 lbs.
6x6x6	
500..$6.05	
1000..11.90	98 lbs.
6x6x9	
500..$9.60	
1000..18.95	250 lbs.

With Bottoms

	Wt. per 1000
4x4x4	
500..$3.75	
1000..7.30	72 lbs.
4x4x6	
500..$5.40	
1000..10.65	112 lbs.
6x6x4	
500..$7.70	
1000..15.25	160 lbs.
6x6x6	
500..$9.75	
1000..19.30	180 lbs.
6x6x9	
500..$13.20	
1000..26.15	350 lbs.

	Wt. per 1000
6x7x2½	
500..$6.60	
1000..12.90	155 lbs.

Quantity discount of 5% is allowed on orders of 25,000 made up of various sizes. If interested in larger quantities write us

Be sure to specify clearly size of band and method of shipment! Freight much cheaper but slower.

FREE! TWO SEED FLATS WITH EACH BUNDLE OF 1000 BANDS.
Applies to smaller sizes including four-inch band.

Geo. J. Ball

THE WAR . . .

Presents a challenge to the greenhouse man's ability to make adjustments. The report that 2 out of 3 florists in London continue in business is heartening for our situation should not become nearly so shaken. Fortunately priorities do not seriously affect us, with the possible exception of some fertilizers of which many of us ordinarily use too much anyhow and for necessary greenhouse repairs, used material is available. Also lowered temperatures will actually benefit many of our crops. But don't delay getting in fuel. Thru the use of women, high school boys and close management, the labor situation can be controlled.

CREDIT

The overuse or abuse of credit has wrecked many business organizations in the past and in the post war period that we hope soon to face, its destructive effect will certainly be repeated unless we watch our step. The lesson this teaches should be clear and prepared for now. Any business that unduly grants credit, particularly at this time is not on a sound basis. Such undue extension of credit is both dangerous to the firm extending it and usually costly to the creditor, for when one becomes tied to a firm thru heavy obligations, advantage is frequently taken of the situation. Most of us know this full well. Geo. J. Ball, Inc. will continue to extend credit as in the past to growers worthy of it. In view of the future situation we must all face, we advise our customers to take a conservative stand on this point.

Geo. J. Ball

GROWER TALKS
(Monthly)
By Geo. J. Ball and others

Our monthly medium for suggesting timely sowing of seasonal crops, along with practical suggestions for growing them on. Also includes notes of general Floricultural value as noted by the editor and his staff.
Monthly 40c per yr. 2 yrs. 75c.

BALL RED BOOK—
5th Edition
By Geo. J. Ball

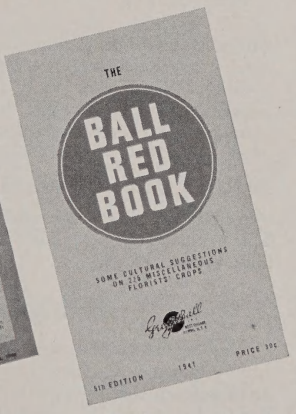
Exactly 50 yrs. growing experience with miscellaneous crops is gathered into this paper bound booklet. Two hundred and twenty-five subjects are treated in this new edition. We gladly mail it to our customers for the cost of printing and mailing which is 30c.

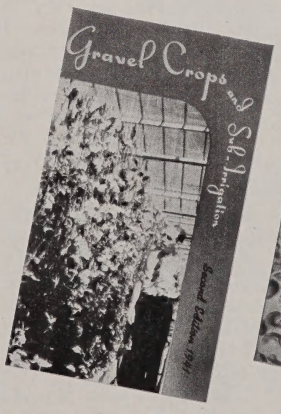
GRAVEL CROPS AND SUB-IRRIGATION
2nd Edition
Vic Ball

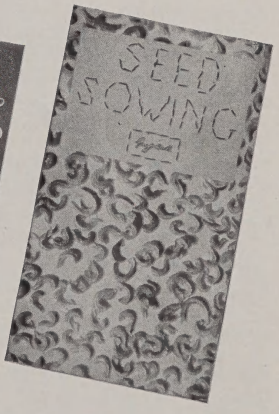
Besides latest slants on gravel, it covers sub-irrigation of both pot plants and bench crops—directions, pros and cons, our own experiences with it. You should be informed on these promising new developments. 56 pages, freely illustrated. Price 10c.

SEED SOWING
By Geo. J. Ball and Geo. Jr.

All practical phases of this popular subject are fully gone over in this booklet. Added to it is a complete table giving the number of seeds per given weight, time and temperature required for germination and longevity of 400 varieties of Florist Flower Seeds. Sent gratis with any order.



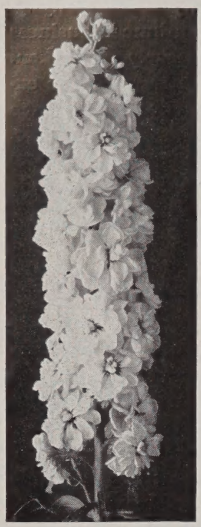




For Index and business terms see page 24

Printed in U. S. A.

NEW AND STANDARD VARIETIES OF SPECIAL MERIT



Non - Branching Stock, Ball No. 22

On this page we suggest some items, new and old that we know from experience with them will be quite generally found distinctive.

BALL NON-BRANCHING STOCKS

Ball Supreme No. 22. On every point, this is the finest available in its color which is a fairly deep silvery rose. To this is added extra long, heavy stems and large flowers, a rare combination of good points. Seed limited until new supplies in October.

Ball Apricot No. 20. Another product of our breeding work with Ball Stocks. This is an original color in this class. It is light apricot or chamois, nearly identical to Bismarck Chamois. An attractive novelty color. Available only in Trade Packets and ¼ oz.

Ball Purple No. 21. This is still another product of ours. It is a rich deep purple. While the demand for this color is limited, no class of flowers is complete without it; so we feel that our work for it was justified.

All these new varieties are offered at no increase over standard prices, which are ½ Tr. Pkt. 60c; Tr. Pkt. (about 1200 seeds) $1.00; ¼ oz. $2.50; 1 oz. $9.00. Because of shortages and production costs, no further price reductions for quantity can be made.

POT PLANTS

Primula Malacoides "Red Rose". In our estimation this is one of Ernst Erikssons finest productions. The color is an attractive, deep rose, a shade that never fails to sell. We offer Mr. Eriksson's seed in his packets; 500 seeds, $1.00; 2000 seeds, $3.00; 6000 seeds, $8.00.

Eriksson's Pure White Imp. The best pure white. This and Red Rose are early flowering, being in full by January from a June 1 sowing. We offer Eriksson's Packets: 800 seeds, $1.00; 2000 seeds $2.00; 6000 seeds $5.00.

Calceolaria "Multiflora Nana". This is the most popular selling mixture because of its bright and varying shades of red and yellow. Also, the flowers, because of their medium size will hold up better and longer than do the large flowered types. A few other colors are also getting into it and a good proportion of flowers are spotted. We have grown our own seed of this for several years and have improved the color mixture. We offer seed of our own production; Tr. Pkt. $1.00; 1/128 oz. $2.25; 1/64 oz., $4.00.

Cineraria Siter's Rainbow Strain. We clearly find the demand for RAINBOW Cinerarias increasing. We believe this is due to a large proportion of plants producing white eyed flowers. This adds considerably to the attractiveness of this mixture of nicely compact habit with well filled heads of medium size flowers. The seed we offer is of our own production and is selected to produce about 25% clear or self colors for there is some preference for such. Tr. Pkt., $2.00; 1/64 oz., $2.50; 1/32 oz., $4.50; 1/16 oz., $8.00.

FORCING SNAPS

Better Times (Windmiller). Because of its color we feel justified in giving it our front page this season. It is exactly the color of an American Beauty or Better Times rose. Combined with white it is striking. Better Times belongs to the extra early flowering class. This means that it is not a tall robust grower. But under good culture it makes 18-24 inch stems. Under our conditions we find that it and Christmas Cheer should be sown around July 20 for a Christmas crop. If Better Times is sown too early or if the growth, especially in the early stages, is checked in any way, it will set buds on numerous short stems. Fred Windmillers original Pkts. $2.00.

Christmas Cheer (Windmiller). The well known extra early or Christmas flowering rose pink. Under our conditions this flowers freely for that occasion in ground beds by sowing July 20. But do not check the growth in any way. Mr. Windmiller's Packets only $2.00.

AQUILEGIA LONGISSIMA HYBRIDS (New)

An attractive long spurred strain of the Longissima type. This comes in varying shades of red and yellow. Tr. Pkt., 50c; 1/32 oz., $1.75.

LILY WHITE QUEEN

We have an ample seed supply of this fine, pure white, large flowered seedling strain. Flowers in about 15 months from seed, grown in beds for cutting. Tr. pkt., $1.00; ⅛ oz., $1.75; ¼ oz., $3.75; 1 oz., $12.00.

Florists' Pansies

(25,000 seeds per ounce.)

Economically grown and sold at popular prices, along with the really excellent strains available today, explains the heavy demand for this seed. It is a crop that war and priorities will not affect for spring pansy plants are easily wintered in well drained, lightly protected frames into which they are usually spaced about 4x6 inches. The early spring protection of sash flowers them some earlier and better than when planted in the open as is usually done. They should be sown early enough to make strong, well rooted plants ready to set buds before winter sets in. With us, this is about mid-August. And don't forget that our public expects to pay at least a fair price for anything bought today. So do not hesitate to ask such a price for your plants. Prospects are good for a fair supply of seed this season. As usual, our Ball Giant Mixture is the best all purpose strain we have; and it is moderately priced.

***Ball Giant Mixture.** Our well-known, excellent all-purpose mixture. This mixture is based on the best Roggli Giants we have been able to find. To it is added Swiss blue, Coronation Gold, and the Swiss white in proportions to give necessary balance of all colors. Our best all-purpose mixture. Tr. Pkt., 40c; ¼ oz., $2.00; ½ oz., $3.50; 1 oz., $6.00; 4 ozs., $22.00.

Ball Giant Mixture Dwarf Strain. Distinctly dwarf and full of attractive Roggli colors. A choice dwarf mixture. Tr. pkt., 50c; ¼ oz., $2.00; ½ oz., $3.50; 1 oz., $6.00; 4 ozs., $21.00.

Roggli Giant Mixture. A fine bedding strain with mixture predominating in rich red and bronze shades. Tr. pkt., 50c; ¼ oz. $2.25; ½ oz., $3.75; 1 oz. $6.50.
We also supply originator's seed in his packages as follows: Tr. pkt., $1.10; ⅛ oz., $2.35; ¼ oz., $4.65; ½ oz., $6.50; 1 oz., $12.75.

***Ball Winter Flowering.** This is our own development thru single plant selections on the original Don Pansy. We have greatly improved it in size and coloring and some in stem and vigor of growth. If sown about Aug. 1, grown in enriched light soil cool house 45-48 degrees nights, Ball Winter Flowering Pansies will get up 3-4 feet and should be supported accordingly. ½ Tr. pkt., 60c; Liberal tr. pkt., $1.00; ⅛ oz., $2.00; ¼ oz., $3.50.

Geneva Giants. A fine domestic Swiss strain. Outstanding in our trials for rich colors. Tr. pkt., 75c; ¼ oz., $2.50; 1 oz., $8.50.

Dwarf Geneva Giants. Similar to regular Geneva Giants (Above) but even more uniformly compact in habit. Tr. pkt., 50c; ⅛ oz., $1.25; ¼ oz., $2.25; 1 oz., $8.00.

Englemann Giant Mixture. A splendid mixture of real Giants in full range of good Pansy colors. In size and colors, quite outstanding. We offer the originator's seed. Tr. pkt., 75c; ¼ oz., $3.00; ½ oz., $5.50; 1 oz., $10.00.

***Maple Leaf Giants.** Extra large flowered mixture of Giants. Good stems and extra heavy growth. Tr. pkt., 50c; ¼ oz., $2.50; ½ oz., $4.50; 1 oz., $8.00.

***Canadian Giants.** A select Canadian stock of Maple Leaf Giants that it improves some in size. Tr. pkt., 75c; ⅛ oz., $1.30; ¼ oz., $2.50; 1 oz., $9.00.

Steele's Jumbo Mixture. Extra large flowered strain of Giants; strong growth and long stem. Tr. pkt., $1.00; ⅛ oz., $2.50; ¼ oz., $4.75; ½ oz., $9.00; 1 oz., $17.00.

Improved Swiss Giants. Choice colors combine with nice size and stem to make this well-known strain excellent for all purposes. Tr. pkt., 50c; ¼ oz., $2.00; 1 oz., $7.00.

Donovan's Strain. As it checks out in our trials, this is a compact, fairly large flowered strain of attractive colors. A popular strain for bedding. We supply originator's seed. Tr. pkt., 75c; ¼ oz., $3.00; 1 oz., $10.00.

SWISS GIANTS IN SEPARATE COLORS.

***Coronation Gold.** The best true golden yellow. Tr. pkt., 75c; ⅛ oz., $1.50; ¼ oz., $2.75; 1 oz., $10.00.

Alpenglow. Rich garnet red. Tr. pkt., 50c; ⅛ oz., $1.25; ¼ oz., $2.25; 1 oz., $8.00.

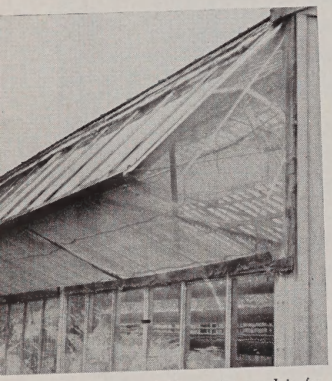
Rhinegold. Large yellow with dark center. Tr. pkt., 50c; ⅛ oz., $1.25; ¼ oz., $2.25; 1 oz., $8.00.

Lake of Thun. Fairly deep blue with dark center. Tr. pkt., 50c; ⅛ oz., $1.25; ¼ oz., $2.25; 1 oz., $8.00.

Mt. Blanc. Best white in the Swiss Giant class. Tr. pkt., 50c; ⅛ oz., $1.25; ¼ oz., $2.25; 1 oz., $8.00.

A flowering trial of every variety we offer the trade is strict policy at West Chicago. Right, Vic Ball, Chuck Salt and Geo. Ball, Jr., take records on the pansy trials.

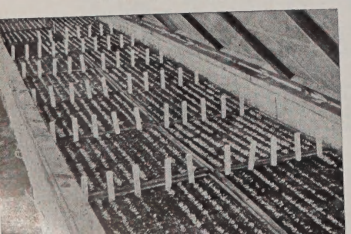
Phil Jones' job is not only to create new varieties but also to improve and maintain standard kinds as well.



Our house of Snaps for seed is forbidden territory for honey bees. All ventilators screened.

(Above) Vic is inspecting one of the hundreds of small "Flowering checks" of important lots of Snap seed grown annually.

(Below) Germination tests are ALL sown in sterilized soil.



Forcing Snapdragons

(2000 seeds per Trade Pkt.)

One of our leading specialties; and one of the most profitable cut flower crops. For complete notes on classes, varieties and culture, refer to the May issue of your "Grower Talks."

We try to get an advance trial of the seasons new varieties. But this cannot always be done and we then must depend on originators description. Because of the demand usually created we must list them regardless.

Seed of all varieties we offer except originators is grown by us in our greenhouses.

BALL TWELVE BEST SNAPS

In making up this list we not only consider our experience with them, but the demand from all sections as well.

CHRISTMAS CHEER

Quite generally accepted as the most profitable extra early rose pink. Very important not to check growth. We get it in full crop for Christmas on ground beds by a July 20 sowing. Tr. pkt., $2.00.

BETTER TIMES

(Front Cover)

Attractive Better Times or American Beauty rose red color. Combines strikingly with white. This strictly belongs with the extra early class and must be handled accordingly. Tr. pkt., $2.00.

MARY ELLEN

Long stemmed, early flowering light rose pink without so much tendency to flower prematurely when growth is checked. Originators seed not available until July. Tr. pkt., $2.00.

ST. LOUIS EARLY PINK

Altho a critical sowing date schedule must be met to bring this fine variety in for Christmas, it certainly is outstanding in vigorous growth and long, tapered flower spike formation. Color a beautiful silvery pink—not at all too light for most markets. Tr. pkt., $1.50.

KOESTER'S WHITE

This pure white clearly betters the stems of White Wonder. We know of no fairly early white that equals it, and this reaction to it seems quite general. Tr. pkt., $1.50.

WHITE WONDER

Some earlier than Koesters White, paper white color and a free producer. For some years a standard variety for any season. Tr. pkt., $1.00.

ETHEL

All points considered we find this the preferred fairly early yellow. Though the flower spikes are not large in diameter, the florets are closely set, fairly large, golden yellow and uniformly true. Tr. pkt., $1.50.

KLONDIKE SUPREME

A large flowered, strongly colored yellow, producing heavy spikes on good stems. But the extra time required to produce such spikes and stems makes it some later than Ethel. Excellent for spring flowering. Tr. pkt., $1.50.

AFTERGLOW

Several varieties are in the making with stronger and more attractive coloring than this standard bronze orange. But for the mid-season class this continues a leader. Especially fine under spring conditions. Tr. pkt., $1.00.

GLORIOUS

A reddish bronze that might be described as a dark Afterglow. An original and a striking color. Tr. pkt., $1.50.

VELVET SUPREME (Ball)

A rich velvety scarlet crimson. This is larger flowered and a more attractive color than Velvet Beauty, from which we developed Velvet Supreme. Tr. pkt., $1.00.

BALL LAVENDER (Ball)

Comes practically 100% true orchid lavender. Tr. pkt., $1.50.

BALL FORCING MIXTURE

This is a formula mixture of all above standard kinds except the first three extra early varieties that are supplied only in the originator's packets. Tr. pkt., $1.00.

NOTE—Price Grouping Schedule
Where price is: $1.00 per pkt. we supply any 3 for $2.50; any 5 for $3.50; any 7 for $4.55; $1.50 pkts. we supply any 3 for $4.00; any 5 for $6.50; $2.00 pkts. we supply any 3 for $5.00; any 5 for $7.50.
½ pkts., of any variety priced at $1.00 are supplied for 60c.
½ pkts., of any variety priced at $1.50 supplied at $1.00.
No ½ pkts. on $2.00 varieties unless so specified.

STANDARD WINTER SNAPS

Except the 12 Best

Starred (*) varieties we find of special value.

A combination of 3 or more full packets any varieties at following prices except where noted:

Where Price Is: $1.00 per pkt., we supply *any* 3 for $2.50; *any* 5 for $3.50; *any* 7 for $4.55; $1.50 pkts., we supply *any* 3 for $4.00; *any* 5 for $6.50; $2.00 pkts., we supply *any* 3 for $5.00; *any* 5 for 7.50.

½ Trade pkts. of any variety priced at $1.00 are supplied at 60c.
½ Trade pkts. of any variety priced at $1.50; supplied at $1.00.
No. ½ pkts. on $2.00 varieties.

Tr. pkt.

***America.** (new) Large flowered deep rose with bronze lip..$1.50

***Ball Christmas Red.** Extra early flowering velvety crimson.$1.00

***Ball Early Pink.** An excellent Christmas flowering rose pink. Sow July 25 in our latitude for a Christmas crop.$1.00

Bertha Baur. Standard lavender; some rogue colors. We supply only originator's packets..... 1.50

Captor. Pure white; fair habit..... 1.00

Celestial. Long stemmed light yellow..... 1.00

Ceylon Court Dark. Excellent yellow..... 1.00

***Cheviot Maid Resel.** (Ball Strain) A 100% true strain of this excellent late winter rose pink variety..... 1.00

Cheviot Maid Yellow. Good stem; medium size flower.... 1.00

***Coates Yellow Perfection.** Not early, but a bright color and excellent stem..... 1.00

***Daybreak.** (*Rust-proof strain*) Briarcliff shade of clear pink 1.00

***Gilbert's Pink.** Similiar to Rose Queen in color and habit fairly early and preferred by many Ohio growers..... 1.50

Ideal *(Hodaly)*. An attractive and unusual bi-color bronze and gold..... 1.50

Kirkwood Beauty. Bronze orange..... 1.00

***Lucky Strike.** The standard strong growing white for late winter and spring; an excellent producer..... 1.00

Maiden's Blush. (*Thompson*) Originator's Description: "Pink suffision over white or appleblossom. Very beautiful in all combinations; fine flowers, stems and foliage." ½ tr. pkt., 85c..... 1.50

***Marie Louise.** A beautiful light shell pink especially when flowered in spring; choice color and exceptionally uniform. 2.00

Marion. Popular white..... 1.50

***Maryland Pink.** (new). An early (Christmas flowering) light pastel cream pink. Good cut flower grower. ½ tr. pkt., $1.25. ..... 2.00

***Miss Wooster.** Exceptional for large attractive flower and spike; fine light golden orange for spring..... 1.00

New Cincinnati. In several ways, this is a fine rose pink. Color medium light—about midway between Rose Queen and the new Mary Ellen. A choice shade. Large flowered, long stemmed, fairly early..... 1.00

New Deal. Extra early bronze: prefer Sunlite..... 1.00

Orchid. (*Schrock's*). Varies some in color..... 1.00

***Peggy Schumann.** Fine medium rose-pink for spring flowering 2.00

Radiance. Large flowered extra early pink..... 1.00

***Rose Queen.** Very fine deep rose for late winter crop; compact full spikes, and a good producer..... 1.00

Schaffroth's Pink. Extra long-stemmed with long spikes. Color varies considerably..... 2.00

Schaffroth's White Originator's pkts. 2.00

Schumann's Lavender. Choice full fine spikes; excellent color. True, and clearly the best lavender for spring. No half packets. Originator's packets..... 2.00

Schumann's Yellow. Fine large yellow..... 2.00

***Sunlite.** Extra early (Christmas flowering) light bronze.. 1.00

Sunray. "A deep bright yellow, extra long fine spike and a good shipper" originator's description..... 2.00

Suntan. Quite early flowering bronze or tan color that many prefer to Afterglow because of earlier and freer flowering.. 1.00

Terry's Surprise Improved. An unusual rose shaded orange, fine for spring..... 1.00

Velvet Beauty. Standard crimson; prefer Velvet Supreme.. 1.00

Westover's Fringed White. Large fringed pure white for spring. 1.00

White Prosperity. Clear white; free producer..... 1.50

Windmiller's LaFrance. Fine "LaFrance" pink..... 1.50

Windmiller's Lilac. Our trials clearly prove this the earliest lavender. Color is brightened with lilac shading. True to color, well placed flowers, and no grassy growth..... 1.50

Windmiller's Rose Pink Cheviot. Very early, true, and free flowering selection of Cheviot..... 1.00

Windmiller's Appleblossom. A clear medium rose; attractive color 1.00

Windmiller's Snow White. Excellent white for Easter and the warm spring months..... 1.00

Winter Helen. Improved Helen; a coral rose..... 1.00

Yellow Wonder. Extra early flowering but with the same weak stem habit of White Wonder. Color, a rather light yellow 1.50

Standard Early Mixed. Carefully blended mixture of the best cut flower colors listed above..... .75

Late or Summer Flowering Snaps

OUR 10-BEST LIST

This list comprises the varieties we consider the finest available in their color classes and we unhesitatingly recommend them for outdoor growing. ALL ARE RUST-RESISTANT.

***Rosalie.** (Majus Grand.) Color of Rose Queen in the Earlies. Closely-set spike—a good grower for cut-flower and bedding.

***Pinkie.** (Majus Grand.) Very similar to above in growth; color a medium rose-pink—about a Cheviot Maid color in the Earlies.

***Alaska.** (Maximum.) Best long-stemmed clear white.

***Canary Bird.** (Maximum.) Long-stemmed clear light yellow.

***Yellow Jacket.** (Majus Grand.) A very excellent deep yellow variety.

***Defiance.** (Majus Grand.) Color shades in the bronze and Wallflower Red classes.

***Maximum Crimson.** A rich deep velvety crimson—color of Velvet Supreme in Earlies.

***Red Cross.** Velvety deep crimson with prominent yellow lip.

***Improved California Mixture.** Strictly for cut flower purposes, this is a formula mixture made up by ourselves exclusively of the above varieties blended with the best cut-flower colors predominating.

Prices each above and Mixture: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., $2.25.

***Golden Orange.** A dwarf variety for bedding only. Light golden bronze. 100% true to its dwarf compact habit and attractive color. Tr. pkt., 25c; ¼ oz., 85c; 1 oz., $3.00.

BALL NON-BRANCHING STOCKS

Long stems and flower spikes, with individual flowers fully twice the size of the branching class, seems to explain the rapid rise of this class and shortage of some popular colors. These stocks have been our leading specialty for many years. We are particularly proud of the fact that *Every* variety on our list has either been originated or greatly improved by us. And our list is most complete, covering every available color.

In our monthly publication, "Grower Talks," timely information on growing this crop is freely discussed. Following is our complete list. Please order by name and number. And please note the shortages and the probable delivery date. Also—they are listed in the order of their Florists' value as we and most growers find them. Varieties marked (new) are recent products of our plant breeding work at West Chicago.

Ball White No. 16

We feel quite safe in saying this pure white is the best variety of the strongest selling color. With the lily shortage it is especially valuable for Easter, for which occasion, we sow October 1. Please note no seed will be available until our greenhouse grown crop is turned in which will be about September 1. After this supply is exhausted, none will be available until the California crops are ready, about December.

Ball White No. 15

This pure white selection from No. 16 will average 4-6 inches taller than No. 16 but with flowers spaced farther apart. After this season, we will definitely drop this variety. A limited supply will be available from our September crop with more from California in December.

Ball White Tinged No. 2

Our original white non-branching Stock variety. Tall growing with some tendency to branch and color slightly tinged pink.

Ball Rose Supreme No. 22 (New)

This is a choice silvery rose, with extra long stems and flower spikes. Individual flowers extra large. Its extra growth makes it require about a week longer to flower than mid-season varieties such as Lilac Lavender or Ball White. We will have a limited amount of Ball Rose Supreme from our September crop and we hope a good supply from California.

LILAC LAVENDER NO. 1

Under normal conditions this well known variety would head the list of cut flower colors. Especially choice for Easter. We have a good supply of Lilac Lavender and all lots of seed of it and all others as well, have been flowered by us this spring. This assures the trueness of your crop.

Ball Pink No. 11

Some lighter shade of rose pink than No. 22 and not so long stemmed but correspondingly earlier flowering supply fairly good for immediate shipment.

Ball Rose Pink No. 14

Fairly deep rose pink. Longer stemmed and some later flowering than No. 11. Supply limited.

Ball Blue No. 3

A dark mauve blue selection from Lilac Lavender, with the same high percentage of doubles and habit of its parent stock. A fairly popular color. Seed supply ample.

Ball Apricot No. 20 (New)

Clear Apricot or chamois pink, close to Bismarck Chamois in color. This is a rather choice novelty color. Available in trade packets and ¼ ounce lots only.

Prices on all Non-Branching Stock Varieties (except Gardenia) as follows: ½ tr. pkt., 60c; tr. pkt., (containing about 1,200 seeds), $1.00; ¼ oz., $2.50; 1 oz., $9.00.

Left to right, White Stocks Gardenia, our No. 16 and No. 15, all sown the same day, grown in same bed. Gardenia will be at its best about 10 days later and some disbudding is necessary. Our No. 16 is generally preferred.

BALL NON-BRANCHING STOCKS—(Continued)

Ball Stock, Extra Dwarf No. 5

Ball Extra Dwarf White No. 5 (New)

From the thousand or more single plant selections in stocks we run down annually, we found this new extra dwarf white. Rich fragrance, paper white color as well as dwarf habit sums up its value for pot plant growing. Specimen on left was grown in open bed.

A limited amount of this was released last season. This is an entirely new wall flower leaved type of Stock. Seed available September 1.

Ball Purple No. 21 (New)

A real rich royal purple. Extra early flowering while, this is not a standard color in stocks, there are occasions when this color can be most fittingly used. Available in trade packets and ¼ ounce lots only.

Malmaison Pink No. 7

Extra long stemmed, blush pink, with some tendency to branch about the base of the flower spike as does our original Ball White No. 2. This is a fairly choice color for any occasion. Supply fairly good.

Chamois Pink Imp. No. 9

An attractive Chamois rose pink. We have substantially improved the original stock of this variety by getting the stem longer and increasing the proportion of doubles to a dependable 60%. Available in trade packets and ¼ ounce lots only.

Ruby No. 8

A real crimson red for which there is always some demand.

Gold Standard No. 17

Deep ivory yellow or cream. A rich and a decidedly attractive novelty color. Seed available September 1 in ¼ ounce and trade packets only.

Pastel Lavender No. 23 (New)

Light or grayish lavender. We are not sure about this color but it adds a distinct one to the non-branching class. Trade packets and ¼ ounce only.

American Beauty No. 6

Deep American Beauty rose.

Mixture No. 10

A specially blended formula mixture made up by ourselves of named varieties. Mixture predominates in good cut flower colors.

Gardenia

Sent out a few years ago as a greatly improved pure white. The color is good as is its long stemmed habit, but Gardenia branches as shown. We can supply originator grown stock. Tr. pkt., $1.00; ⅛ oz., $2.25; ¼ oz., $4.00; ½ oz., $7.00; 1 oz., $12.00.

Prices on all Non-Branching Stock Varieties (except Gardenia) as follows: ½ tr. pkt., 60c; tr. pkt., (containing about 1,200 seeds), $1.00; ¼ oz., $2.50; 1 oz., $9.00.

On Selecting Double Stocks

The photo at right shows the two types of plants we look for in picking out Stock seedlings for a high double percentage. The upper row in the picture is typical of the stronger, more robust and larger plants that tend to produce double flowers; the lower row consists of typically weaker growing and smaller seedlings that tend to produce single flowers. In looking over a planting of stock seedlings, you will be able to easily recognize these two types of plants.

Although removing 90% of the weakest seedlings from a lot of plants (although the remaining 5% would produce nearly 100% double flowers) would obviously not pay, removal of say, 25% to 30% of the weakest plants should raise the percentage of doubles in your planting from the normal 55% to 70% to 75%.

For best results, the seedlings should not be picked until they have developed several sets of leaves as shown in the photo at right.

BRANCHING STOCKS

DWARF TEN WEEK

Use this extra dwarf 6 to 10 in. class for spring pot plants and combination work; also for outdoor bedding.

*Blood-Red	Lavender
Canary-Yellow	Purple
Carmine-Pink	*White
Deep Rose	*Formula Mixture

Prices EACH: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

GIANTS OF CALIFORNIA

A newly developed class that improves the Bismarcks in stronger growth which, of course, means more and longer flower stems.

***Pacific.** Fairly dark blue with extra stem and growth; about the color of Bismarck Lilac.

***Yosemite.** About the shade of Bismarck Rose; a strong clear color with extra heavy growth.

***Santa Maria.** Generally accepted as the best branching pure white; distinctly stronger than Bismarck White.

Roselight. Similar to Yosemite, but some stronger growing.

Prices for above Four Varieties: Tr. pkt., 35c; ¼ oz., $1.15; 1 oz., $4.00.

Mixture of all colors in this new class. Tr. pkt., 35c; ¼ oz., $1.00; 1 oz., $3.50.

IMPROVED BISMARCKS

With its dependable percentage of doubles this class continues to lead in the branching class.

Antique Copper. Fine copper red.

Apple Blossom. An extra delicate pink; nearly white.

Blood Red. Ruby color.

Buttercup. Deep cream, strong growing.

***Chamois.** Fine clear chamois.

***Elk's Pride.** Rich purple.

Flesh. Delicate shade of Malmaison Pink.

***Golden Ball.** Ivory yellow.

Golden Rose. As named.

***Lavender.** Clear lilac lavender; fine.

***Lilac.** Bright deep lilac-blue.

***Rose.** Fine bright rose pink.

***Shasta.** New giant white.

White. Good clear white.

Formula Mixture of above colors.

Prices EACH: Tr. pkt., 35c; ¼ oz., $1.00; 1 oz., $3.00.

PERPETUAL BRANCHING

(Giant Perfection)

Habit similar to Bismarcks, but not quite so tall.

***Empress Augusta Victoria.** Fine silver lilac.

Heatham Beauty. Terra-cotta or golden rose.

Rose. A clear even shade.

Snowdrift. Clear white.

Prices EACH: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.25.

Mixture of above. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

BEAUTY OF NICE

Compact like a Ten Week but not quite so dwarf.

Aurora. Golden Buff.

Flesh Pink. (*Beauty of Nice.*) Flesh or Malmaison Pink.

Cote d'Azure. Light lavender-blue.

Mont Blanc. Clear extra early white.

Queen Alexandra. Rosy lilac; fine.

Prices EACH: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.25.

Mixture of above. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

ANNUAL LARKSPUR

While we can furnish newly harvested Larkspur seed in August, the germination of such seed is uncertain during hot weather. The half hardy nature of Larkspur usually enables well established small plants to winter over in the open in the latitude of Philadelphia and St. Louis. Such a start provides the earliest spring crop outdoors. The sowing for such a crop is usually made about six weeks before the ground freezes. The soil must be well drained for such a crop. Covering is not usually necessary but if used, it must be of coarse material.

SIX BEST CUTTING VARIETIES

This list is made up from our own experience and flowering trials of all available varieties as well as country-wide demands. We suggest your planting be largely confined to varieties on this list. All varieties are of the Base Branching type.

***Blue Bell.** A clear medium-light blue.

***Blue Spire.** Deep violet blue.

***Sweet Lavender.** A clear even lavender.

***Gloria Imp.** A fine clear, deep rose.

***Rosalind.** A rose with distinct salmon shading.

***White King.** A pure glistening white.

6-best Mixture. A formula mixture of the above varieties.

Base-Branching or Imperial Varieties

Except "Six-Best" Above

Carmine King. Bright carmine-rose Prefer Dazzler.

***Coral King.** Pleasing soft, coral rose. Fine base-branching habit.

Daintiness. Light lavender. Color "washy" under outdoor conditions.

***Dazzler.** Bright carmine rose—deeper than Carmine King.

***Exquisite Pink Imp.** Fine soft pink.

***Lilac King.** A clear, even lilac-lavender. Slightly lighter than Sweet Lavender. Fine base-branching habit.

***Lilac Queen.** Rich deep lilac-lavender.

Los Angeles Imp. Bright salmon rose.

***Miss California.** Fine salmon-pink.

***White Cockade.** Fine pure white; fully double flowers and excellent base-branching habit.

White Spire. Clear White.

***Formula Mixture.** Mixture of all the above varieties predominating in the good commercial colors.

Prices on all above varieties including mixtures and the Six Best: Tr. pkt., 25c; ¼ oz., 35c; ½ oz., 60c; 1 oz., $1.00; 1 lb., $10.00. 4 oz. of any one variety at lb. rate.

Stock-Flowered Varieties

Dark Blue. A rather deep violet-blue.

***Lilac Supreme.** A clear deep lilac.

Lilac Improved. Clear mid-lilac. Slightly lighter than above.

Los Angeles. Bright salmon rose.

***Mauve Beauty.** Medium Mauve-lavender.

***Rosamond.** Excellent deep rose.

Rose Queen. Attractive rose-pink.

Sky Blue. A light blue.

White. Much prefer White King.

***Tempest.** Brilliant deep blue.

Formula Mixture of above varieties.

Prices on all above stock-flowered varieties: Tr. pkt., 25c; 1 oz., 60c; 1 lb., $7.50, 4 oz. of any one variety at lb. rate.

Dwarf Emperor Mixture

A complete mixture of colors in this dwarf, compact growing type. Less than half the height of the cut-flower types. Tr. pkt., 20c; ½ oz., 35c; 1 oz., 60c.

Giant Hyacinth-Flowered

Produces one long non-branching spike. Fine for long-stemmed cut flower purposes. Germination somewhat uncertain.

No seed available until new crop is ready—early September.

Dark Blue, Lilac, Pink, Purple, White. Each: Tr. pkt., 35c; ¼ oz., 45c; ½ oz., 75c; 1 oz., $1.20; 1 lb., $12.00. 4 ozs. of any one variety at lb. rate.

Mixed: Tr. pkt., 25c; 1 oz., 80c; 1 lb., $9.60.

Delphinium

(10,000 seeds per oz.)

In deep, fairly enriched, completely drained soil, Delphinium will flourish even under the trying summers of the mid-west. When to this is added thorough watering when needed and during their active growth occasional top dressings of balanced fertilizer, growth should be sufficiently vigorous to resist the blight to which they are subject. And when delphiniums are successfully grown they become a profitable cut flower crop. And that goes for either the improved Pacific Hybrids or the Belladonna type.

Type of the new Giant Pacific Hybrid Delphinium (V. & R.)

READ GROWER TALKS
See Page 1

GIANT PACIFIC HYBRIDS

Blue Bird Series. The clearest of medium blues with white bee. 2½ in. flowers.

Galahad Series. The finest clear white Delphinium we list. Huge, double flowers borne on long, closely set spikes.

Prices on above two only: Tr. pkt., $1.50; ⅛ oz., $3.00; ¼ oz., $5.00; 1 oz., $18.00.

Black Knight Series. Deep mid-night violet. The darkest of them all.

Blue Jay Series. A brilliant true medium blue with dark bee.

Cameliard Series. A pure lavender self with white bee.

Round Table Series. Hybrid or "trial ground mixture." Containing many new and interesting color types not yet introduced.

Guinevere Series. Fine light, pinkish-lavender with white bee.

King Arthur Series. Royal violet with white bee. Exceptional flower size.

Summer Skies Series. Light blue with an attractively contrasting white bee.

Clear White. A very fine clear white, large double flowered hybrid Delphinium.

Prices on above varieties, each: Tr. pkt., $1.25; ⅛ oz., $2.50; ¼ oz., $4.00; 1 oz., $14.00.

Blue Shades. One of our most popular strains. Mixture of light, medium and dark blue strains.

Lavender Pastel Shades

Violet Shades. Deep, rich violet-blue colors with many contrasting white bees.

5 months from seed! Showing possibilities in the Giant Pacific Hybrid strains. Sown by Wilpen Greenhouses, Sewickley, Pennsylvania.

Mixture. A complete mixture of all colors in this fine hybrid type. Our finest Hybrid Delphinium strain.

Prices on above three varieties and mixture, each: Tr. pkt., $1.00; ⅛ oz., $2.00; ¼ oz., $3.50; 1 oz., $12.00.

OTHER VARIETIES

Belladonna Improved. A carefully reselected strain of this standard light blue. Tr. pkt., 35c.; ¼ oz., 70c; 1 oz., $2.50; 1 lb., $30.00.

Lamartine. Deep, bright marine blue. An outstanding strain for color and cut flower habit. Tr. pkt., 50c; ¼ oz., $1.25; 1 oz., $4.50.

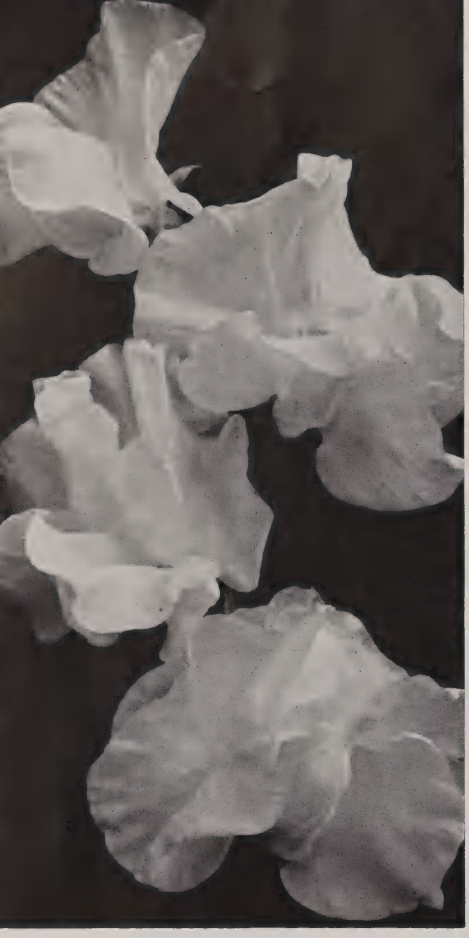
Bellamosum Improved. A reselected strain of this standard deep blue. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., $2.50; 1 lb., $30.00.

Belladonna. The original or regular strain. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., $2.00.

Blackmore and Langdon Hybrids. A fine, free-flowering, hybrid strain. Tr. pkt., 50c; ¼ oz., 90c; 1 oz., $3.00; 4 oz., $9.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Tr. pkt., 50c; ¼ oz., $1.50; 1 oz., $5.00.

Gold Medal Hybrids. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., $1.50.



Ball Rose Supreme

Winter Peas

(350 seeds per oz.)

If winter peas are successfully grown they are distinctly profitable. They are inherently strong in growth and free flowering. But their roots seem unusually susceptible to the rot that accumulates in old greenhouse soil. For this reason we find it profitable to sterlize or change soil annually for peas. To get the vines hardened enough to hold buds and flower early in winter, we find it necessary to sow, quite early in July. An August sowing goes into the short days with growth that will usually not harden enough to hold buds until January.

Progressive improvement gives us a splendid list of varieties today. Increased vigor of growth which means more flowers, is especially noteworthy in today's assortment. We have, in the past, done considerable work in improving peas, and we continue to carry this on. We will have several real improvements to offer next season.

OUR 12-BEST VARIETIES

BALL ROSE QUEEN

A strong growing, large flowered, long-stemmed, clear rose pink. We easily place this at the head of clear rose pinks. A fair seed supply is promised for this season. 1 oz., only until new crop ready, about 8/15. ½ oz., 25c; 1 oz., 35c; 4 ozs., $1.20; 1 lb., $4.00.

BALL ROSE SUPREME

This shouldn't be confused with our old Ball Rose or its improvements. It is an utterly different stock, the color being a silvery rose pink without shading. Long stemmed, large flower and strong growth. We supply quantities up to 4 ozs. only until new crop, ready about 8/15. ½ oz., 20c; 1 oz., 30c; 4 ozs., $1.00; 1 lb., $3.50.

BALL SALMON

Fairly deep salmon or coral pink; deeper and more effective than Daphne but not extra large flowering. ½ oz., 35c; 1 oz., 50c; 4 ozs., $1.50; 1 lb., $5.00.

MRS. HOOVER

While this old timer will be made completely obsolete by our Ball Blue Supreme, that will be ready next season, we have nothing better to offer this season in this color. ½ oz., 20c; 1 oz., 30c; 4 ozs., $1.00; 1 lb., $3.50. We like Tahoe better for color but it is not mid-winter flowering.

TWILIGHT

A fine, large lavender, long-stemmed and clear color that greatly improves Harmony. But with some, this variety seems slightly lacking in free vigorous growth. Because of this possible objection to it, we must continue Harmony on this list. We supply amounts to 4 ozs. only, till new crop ready, about 8/15. ½ oz., 25c; 1 oz., 35c; 4 ozs., $1.20; 1 lb., $4.00.

HARMONY

For many years the standard lavender. ½ oz., 20c; 1 oz., 30c; 4 ozs., $1.00; 1 lb., $3.50.

BALL WHITE

The longest stemmed, strongest growing pure white. White seeded. ½ oz., 25c; 1 oz., 35c; 4 ozs., $1.20; 1 lb., $4.00.

PRINCESS BLUE

Larger, extra long-stemmed bluish lavender. Can be used either as a lavender or a light blue. 1 oz. only until new crop seed ready, about 8/15. ½ oz., 35c; 1 oz., 50c; 4 ozs., $1.50; 1 lb., $5.00.

BALL ORANGE IMPROVED

The best clear orange available. ½ oz., 25c; 1 oz., 35c; 4 ozs., $1.20; 1 lb., $4.00.

TRIUMPH

Long-stemmed lilac mauve. An increasingly popular commercial color. ½ oz., 20c; 1 oz., 30c; 4 ozs., $1.00; 1 lb., $3.50.

TREASURE ISLAND

Brilliant orange scarlet. Its extra size and long stems are outstanding. ½ oz., 25c; 1 oz., 35c; 4 ozs., $1.20; 1 lb., $4.00.

FIESTA

While the use for seed is limited, this cerise red, we find most striking and we are sure any florist business can use some of it. The finest "red" in Peas. ½ oz., 35c; 1 oz., 50c; 4 oz., $1.50; 1 lb., $5.00.

12 Best Mixture. A formula mixture made up by ourselves including only above varieties and predominating in best commercial colors. ½ oz., 20c; 1 oz., 30c; 4 ozs., $1.00; 1 lb., $3.50.

NOVELTY

Magic. (New) Fine new orchid lavender. Outstanding point in our trials was extremely early and free blooming habit and very large blooms. Color slightly deeper than Harmony and stem medium. ½ oz., 75c; 1 oz., $1.40; 4 ozs., $5.50.

WINTER SWEET PEAS—Continued

GENERAL LIST (Except 12 Best)

American Beauty. Fine American Beauty rose.

Amethyst. Rich bright purple.

Annie Laurie. Bright rose-pink.

Apollo. Salmon-cerise; fine for spring.

Attraction. Rich long-stemmed salmon-rose.

***Bacchus.** Extra deep maroon-purple; large flowered.

***Ball Rose Improved.** Standard free flowering bright rose.

***Blue Danube.** A showy deep clear blue; fine.

***Boon.** Deep salmon-rose on cream; large flowered.

***Bridesmaid.** Delightful silvery pink; large flowered.

Bright Light. Vivid orange-scarlet.

Chevalier. Dark rose.

***Cinderella.** Extra large flowered light blue; choice.

Columbia. Rose and white bicolor.

***Daphne.** Soft salmon-pink on cream, fine stem and flower size.

Eileen. Rich Begonia rose.

Eleanor Blue. Nice light blue for spring flowering.

Flamingo. Orange-salmon; long stemmed.

Fragrance. Fine lavender for spring blooming.

***Gardenia.** The longest-stemmed and largest-flowered pure white Sweet Pea we know of. Altho not a good winter-flowering variety, we recommend Gardenia particularly for spring flowering from a January sowing.

Grenadier. Poppy scarlet.

Heather Bell. Mauve-lavender.

Hiawatha. Fine deep rose. Sold out until new crop, ready about 8/15.

***Hope.** Fine white; black-seeded and easy to germinate.

Jeanne Mamitsch. Clear Rose, long stems.

***Josie.** Longest stemmed clear rose-pink.

Laddie Improved. Extra long, fine rose-pink.

Majestic Rose. Fine large flowered heavy stemmed rose-pink.

Michigan. Large lavender.

Mrs. Holscher. Very large rose-pink.

Mrs. Kerr. Salmon.

Oriental. Black-seeded cream.

***Pride.** Extra long-stemmed brilliant cerise.

Prosperity. Soft glowing rose-cream.

Red Bird. Crimson-red.

***Redwood.** Extra large flowered deep crimson.

Rhumba. A pleasing coral or salmon cerise shade at its best in spring. Large ruffled flowers freely produced.

Sequoia. Quite large flowered attractive salmon-rose.

Signal Red. A fine cerise scarlet particularly good in spring. Our trials show this much brighter than Pride.

Snowstorm. White-seeded white.

Sparks. A brilliant poppy-scarlet. Large flowers on long and strong stems.

Success. Extra bright deep rose-pink.

***Sunproof Orange.** (New). Good large flower; some cerise shading.

Sunray. Light cerise, fine long stem.

Tahoe. Fine dark blue for spring; not extra early.

***Top Hat.** Deep bright violet-blue; fine growth and strong color.

Tops. Fine salmon rose; produces many 5's and on long stems.

Vivian. Unusually long-stemmed deep carmine-rose.

***White Harmony.** Longest stemmed black-seeded white.

Zvolanek's Rose. Rose; prefer Laddie.

Any Above Priced At: ½ oz., 20c; 1 oz., 30c; 4 ozs., $1.00; 1 lb., $3.50. Except where noted.

Ball Early Mixture. A well balanced mixture of the above colors. ½ oz., 15c; 1 oz., 25c; 4 ozs., 85c; 1 lb., $3.25.

NEW SPRING FLOWERING CLASS

Do not sow this class before November 1 and up to February. If sown in August, they get up 12-15 ft. and will flower very little earlier than a December sowing that will flower around 6 ft. These figures are for ground beds. This class produces longer stems and will last longer than will the true winter flowering class. The following are all Ferry Morse varieties. The past spring we flowered trials of all available, resulting in the selection of the following as being the preferred ones for cut flower purposes.

***Black Seeded White.** Extra fine pure white. Outstandingly large frilled flower, heavy stem and many 4's.

***Navy Blue.** Brilliant deep shade. Typical spring flowering vigor in stem, flowers and growth.

Light Blue. Pleasing soft Princess Blue shade. Flowers nicely ruffled.

Light Carmine (Deep Rose Cerise). A pleasing bright cerise rose on salmon. Extra for stem and lots of 4's.

Light Cream Pink. A soft light cream pink. Extra long stem.

Each above new Spring Flowering varieties priced as follows: ½ oz., 60c; 1 oz., $1.00; 4 ozs., $3.75; 1 lb., $12.50.

Blue. Fairly deep; about like Mrs. Hoover.

Lavender. A good even shade.

Mauve. Of fine spring flowering habit; a bright mauve about the shade of early Triumph.

Rose Pink. About the shade of Giant Rose in the earlies.

Mixture of all colors in this Spring flowering class.

Prices on above four and Mixture: ½ oz., 35c; 1 oz., 50c; 4 ozs., $1.50; 1 lb., $5.00.

LATE OR SUMMER PEAS

The Six Best Ball Late Peas

The following six varieties we believe represent the best in their respective color classes. Our choice is based not only on our experience in growing them for market but also on your demand for them. We suggest your planting be largely confined to varieties from this list.

***Pinkie.** Finest rose-pink; large flowered, long-stemmed and a heavy producer.

***Gigantic.** A black-seeded white producing extra large wavy flowers with many flowers duplexed. A fine clear, paper white.

***Ball Shrimp Pink.** Its particularly vigorous growth producing long, strong stems makes Ball Shrimp Pink outstanding for outdoor growing. Color a delicate shade of shrimp pink.

***King Lavender.** A fine variety—clear and even color with exceptionally vigorous growth and long, strong stems.

***Windsor Blue.** Easily the finest mid-blue variety available from standpoint of stem, clear and even color and flower size. A very excellent variety.

***Welcome.** One of our finest varieties judged by growth, flower size and stem. Very vigorous grower and heavy producer. Color a brilliant sunproof scarlet.

***"Six Best" Mixture.** A formula mixture of above varieties only and predominating in the finest commercial colors for cut flower use.

Prices on all above, each: 1 oz., 20c; 4 ozs., 60c; 1 lb., $1.75.

From top to bottom, Ball Lemon Queen, Long Orange Imp., Gold, Masterpiece, and Apricot.

BALL CALENDULA

(About 3,000 seeds per oz.)

Originated and introduced by us 22 years ago!

Through annual single plant selections, we continue to maintain the best possible quality in our strains of Ball Calendula.

CULTURE The fact that most retail growers feel they cannot do without a bench of Calendula, proves their continued indispensable value. Easily and economically grown, glowing colors that do not fade and the fact that they can be in full crop during December and January are strong points. But grow them in a cold, airy house. In a Carnation house temperature their heavy growths become soft during the short months. In our latitude, we get in a good Christmas crop with an August 15 sowing. We get better stems from a deep, ground bed, but we must keep the soil in such a bed on the dry side during December and January. Keeping it normally wet tends to soften the growth and stems. Much moisture during these months also encourages rot in the growth during these months. We sometimes don't water them at all from mid-November until a few days before the Christmas crop is cut.

Forcing Varieties

Prices (EXCEPT MIXTURES): Tr. pkt., 40c; ¼ oz., 60c; 1 oz., $2.00; 2 ozs., $3.50; 4 ozs., $6.50. Prices on weight lots will be accepted on 2 or more varieties together. For instance, on ¼ oz. each of 4 varieties, instead of allowing 60c each, the ounce price of $2.00 will be accepted.

***Ball Improved Long Orange.** Attractive bright golden orange with light eye; a clearly lighter color than our regular Long Orange; outstandingly long stemmed and large flowered.

Ball Long Orange. The original deep intense orange with light center. Long stemmed and large flowered.

Ball Sensation. Similar to our Ball Long Orange.

***Ball Masterpiece.** Long stemmed clear deep orange with brown center. Attractively contrasting colors and free flowering habit.

***Ball Gold.** Extra long stemmed, large deep golden yellow; light eye. Nice.

***Ball Lemon Queen.** Deep lemon yellow with attractive brown eye; our most popular yellow.

Ball Apricot. Light straw or buff color with showy dark center; some color variation but attractive.

Campfire (*Sensation*). An excellent strain of long orange; fine deep orange, good sized flower and valuable for forcing.

Ball Formula Mixture. Carefully made up of the above varieties with fully half orange. Intended for retail growers.

Ball Art Shades Mixture. Many original and interesting color variations, many being new in Calendula and hard to "True up."

Prices on BOTH above MIXTURES: Tr. pkt., 35c; ¼ oz., 50c; 1 oz., $1.50.

CALENDULA FOR BEDDING

The following varieties are not as long stemmed or large flowered as the above and are used for bedding work in favorable climates.

***Orange Shaggy.** Petal tips of this bright orange variety are finely fringed giving it a distinctive appearance. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

***Apricot Queen.** An apricot-buff with petal tips attractively flecked orange. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., $1.10.

Frilled Beauty. New deep orange, attractively frilled. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Sunshine. Chrysantha. Loose petaled bright yellow; upright growth with fair stems. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Prices on the following, each: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 1 lb., $6.00.

Radio. Bright orange, quilled petals, quite attractive.

Radio Golden Beam. Clear yellow Radio.

Orange King. Dark centered deep orange; for bedding.

Lemon Queen. Light lemon yellow; somewhat taller in growth.

Ball Bedding Mixture. Well proportioned mixture.

Every flower on the many Primula obconica, Cyclamen and other plants growing in our greenhouses must be pollinated by hand, as above in the case of the Fasbender's Red plant.

★ American ★ Grown Seed

For a long time, seedsmen have depended upon foreign sources for their supply of pot plant as well as many other seeds. The present World situation has cut off these supplies, as you can appreciate. American seed growers are doing an excellent job of producing seed of these items in this country.

Seed Production at West Chicago

During the past winter you could have found growing for seed in our greenhouses such crops as Primula obconica, Primula malacoides, Cyclamen, Calceolarias, Begonias as well as our usual cut flower seed crops.

Our past experience in growing these crops has stood us in good stead as a fine crop of most items has been or will be harvested in season. The out of the ordinary cares that we have taken in growing this seed makes us feel confident we can continue to supply "All the best—" from our American grown seed.

POT PLANTS

Cyclamen

Altho we have limited supply of Cyclamen seed on hand at this writing, we have ample supplies contracted for that will be available for July and August delivery on all varieties listed below:

	100 Seeds	1000 Seeds	5000 Seeds
No. 1 Dark Blood-Red	$1.75	$16.00	$70.00
No. 2 Bright Red	1.75	16.00	70.00
No. 3 Pure Rose	1.75	16.00	70.00
No. 4 Soft Rose with carmine eye. (Improved Rose of Marienthal).	1.75	16.00	70.00
No. 5 White with carmine eye	1.75	16.00	70.00
No. 6 Pure White	1.75	16.00	70.00
No. 7 Bonfire Brilliant salmon.	2.25	20.00	90.00
No. 8 Salmon-Scarlet (America Improved).	2.30	21.00	95.00
No. 9 New Salmon-Rose Imp.	2.25	20.00	90.00
No. 10 Glory of Wandsbek (Perle of Zehlendorf). Dark salmon.	2.20	18.00	80.00
No. 11 Rose of Zehlendorf Light salmon.	2.20	18.00	80.00
No. 12 Orange Beauty Orange-vermilion.	2.30	21.00	95.00
No. 14 Morning Red	2.20	18.00	80.00
No. 17 Striata Mixed.	2.25	20.00	90.00
No. 18 Mozart. Deep pink.	2.30	21.00	95.00
No. 19 Lavender	1.75	16.00	70.00
No. 20 New Ruffled Especially attractive class.	2.30	21.00	95.00
No. 21 Pink Pearl. Salmon-pink.	2.30	21.00	95.00
Mixture of above colors.	1.65	15.00	65.00

VOGT'S DOUBLE STRAIN.
We handle only Mr. Vogt's seed of this attractive double type.

Mixture of all colors.
Priced at: 100 seeds, $3.50; 250 seeds, $7.00; 500 seeds, $14.00; 1000 seeds, $25.00.

This shows a partial view of one of our houses devoted exclusively to the production of seed for pot plants.

Primula Obconica

(4000 Seeds per 1/32 oz.)

Most showy of all winter pot plants. Tho contact with the Obconicas is irritating to the skin of some, the demand for its seed seems to be increasing. We are growing all our Obconica seed here at West Chicago this season. A large part of our stock consists of a large flowered strain of Fasbenders Red. This is not only the finest red available but its color is by far the most called for. A June sowing of Obconicas will, in a 48-50° temperature make fine 4-5 in. pot flowering plants by mid or late winter. Our seed stock early in May looks favorable for a crop.

***Fasbender's Red.** Extra large flowered deep crimson—finest red obconica.

***Mueller's Berlin Rose.** (Mueller's Rosea) Best of the light rose class.

Lachsrosa. A salmon rose shade.

Coerulea. Blue.

White

***Formula Mixture** of above varieties proportioned according to your demand for them.

All above including Formula Mixture priced:
Tr. pkt., (1/128 oz.) $1.10; 1/64 oz. $2.00; 1/32 oz. $3.75.

***Portland Beauty.** The standard double flowering rose-pink. A fine, very free flowering pot plant strain.
Tr. pkt. $1.50; 1/64 oz. $3.50.

All the above obconica seed supplied in sealed glass tubes.

The demand for white flowers is reflected in the popularity of this color in Malacoides Primula.

Primula Malacoides

(12,000 seeds per 1/32 oz.)

This is an indispensable class for any retail business. While specialists recommend sowing in May for early winter use. our final sowing is made in Sept. for spring flowering. They are particularly fine for combinations for which the Sept. sowing should be grown on in small pots. The earlier sowings for larger specimens should be summered out doors.

ERIKSSON'S OUTSTANDING NEW VARIETIES

Seed of both the new and standard Eriksson varieties below are supplied in the originator's packets and are all from 1942 crop. Cultural directions on the back of all seed packages.

Eriksson's New Red (1942 Introduction) A very unusual Salmon-red, particularly suited for Valentine combinations.

Glory of Riverside. True rose-pink a strong grower, good for all purposes.

Riverside Red Rose. Similar to, but darker than, "Glory of Riverside."

Eriksson's New Giant. Light salmon-rose; late bloomer, heavy stems and large flower.

Eriksson's White Giant. Pure white, large flowers, strong stems.

Lilac Beauty. Soft Lilac, good for artistic combinations.

Peach Blossom. Deep peach blossom pink for all purposes.
Above each—500 seeds—$1.00; 2,000 seeds—$3.00; 6,000 seeds—$8.00

ERIKSSON'S STANDARD VARIETIES

Eriksson's Pure White Imp. Free-flowering; Best white.

New Baby Improved. Glowing deep-pink Large flowers and heavy stems.

Brilliancy. Eriksson's Lavender-red Opens Lavender—turns to red.

Baby Rose. A good medium pink with compact habits.

Appleblossom. A true Appleblossom pink For artistic combinations.

Wonder Baby. A beautiful Lavender pink. Good producer.
Above each—800 seeds—$1.00; 2,000 seeds—$2.00; 6,000 seeds—$5.00

Eriksson's Special Mixed. Some of all the varieties
800 seeds—$1.00; 2,000 seeds—$2.00; 6,000 seeds—$5.00

Seed of the following varieties is of our own production.

***Red Rose.** A deeper colored and superior selection from the popular Riverside. Extra deep, bright rose. Tr. pkt., $1.00, 1/64 oz., $2.25; 1/32 oz. $4.00.

***Rosea Superba.** Finest extra large flowered bright orchid rose. Clearly superior in its color class. Trade Packets only, 75c.

Baby Rose. Bright orchid rose. Tr. pkt., $1.00; 1/64 oz., $2.00; 1/32 oz., $3.75.

***Riverside.** Very attractive bright rose with salmon, good habit. Tr. pkt., $1.00; 1/64 oz., $2.25.

Brilliancy. Attractive red. Outstanding color in combinations. Tr. pkt., $1.00; 1/64 oz., $2.25.

Baby Alba. Large, clear white. Tr. Pkt., $1.00; 1/64 oz., $2.00.

Mixture. Carefully balanced formula mixture of above varieties. Tr. pkt., $1.00; 1/64 oz. $1.75; 1/32 oz., $3.00.

Primula Chinensis

***Dazzler.** Vivid Orange. Outstanding color and pot plant variety. Tr. pkt., $1.00; 1/64 oz., $3.00.

Chiswick Red. Rich bright carmine-red.

Coerulea. Light Blue

Defiance. (Crimson King) Deep crimson-red with dark center.

Heath Rose. Bright rose pink.

Rose Queen. Bright carmine rose.

***Special Mixture.** Carefully balanced mixture of all colors.
All above except Dazzler, priced: Tr. pkt., $1.00; 1/64 oz., $2.50.

Primula Kewensis. (Not a Chinese Primula) Deep yellow winter-flowering pot plant. 10 to 12 in. Tr. pkt., 50c; 1/64 oz., $1.25.

American Cinerarias

From the standpoint of profit and volume as well as general acceptance and satisfaction, American strains of Cinerarias head the pot plant list. And in a cool, airy house they are easily grown too.

An early June sowing is grown into 5 in. flowering pot plants for Xmas. The demand for them at this time is just fair. For mid-winter flowering sowing is usually done in July—Aug. For 5 in. pots to hit the average Easter date, sow early in Sept. The past Mother's Day we flowered a beautiful lot of Siter's strain in 4's the sowing for which was made Dec. 17. These sowing dates are for our section and for a minimum growing temperature of around 45°.

Nearly all our Cineraria seed is produced by us here at West Chicago. Getting well balanced color mixtures and uniform habit calls for close and sometimes hard roguing which we try to do in a most exacting way.

Siter's Rainbow Strain. There is a tendency to consider this the ideal American Strain. 75—80% of it produces attractive white eyed flowers the balance being self colored. This we believe is about the proportion in which the public would select them. Flowers are small to medium in size produced in well rounded, full heads in a well balanced mixture of colors. Tr. pkt. $2.00; 1/64 oz., $2.50; 1/32 oz., $4.50; 1/16 oz., $8.00.

Cremers Prize Strain. This has long been and continues to be the standard strain for commercial florists. Largely self-colored: particularly strong in good red and blue with enuf other colors to make an attractive mixture. Large well rounded heads and compact habit. Tr. pkt. $1.50; 1/64 oz., $2.25; 1/32 oz., $4.00; 1/16 oz., $7.50.

We furnish originator's seed in his packets at the above prices if requested.

Multiflora Nana, Gold Center. Many of our visitors have considered this the most attractive of the above three strains. The yellow anthers of about 80% of the flowers contrast attractively with the medium small self-colored flowers. Growth is more compact than Cremers or Siter's with closer flower heads—not so large or open. This gold centered strain is a distinct improvement on the original stock. An attractive mixture of colors. Tr. pkt., $1.00; 1/64 oz., $1.65; 1/32 oz., $3.00.

Berlin Market (Weissensee Strain). This is a somewhat larger flowered strain than Cremers or Siter's but with much the same rounded flower head and habit. A large percentage of the flowers are eyed. While the demand largely centers on the smaller flowered types, some growers use a limited number of this type for variation. Tr. pkt. $1.00; 1/64 oz., $1.75; 1/32 oz., $3.25.

We also have seed of our own production of the following two separate color segregations in the Berlin Market type.

Dark Blue ***Dark Crimson***

Above two priced at: Trade packets, $1.00

Grandiflora Dwarf Mixed. Fairly large flowered, some larger than Berlin Market. Our stock of this attractive Grandiflora strain will be found uniform in habit and flower size. Tr. pkt., $1.00; 1/64 oz., $1.75; 1/32 oz., $2.75.

Grandiflora Azure Blue. Our own strain and growing of medium size, clear, fairly light blue. $1.00 Tr. pkts. only.

Dwarf Giant Exhibition Mixture. We have a new European strain of this extra large flowered strain and we find it superior for uniformly compact habit and flower size. This type is not suitable for commercial pot plant purposes, but is popular for conservatories. Tr. pkt. $1.00.

Giant Exhibition Mixture. The regular tall growing strain we have listed for several years. Large flowered and strong growing —for exhibition work only. Tr. pkt., $1.00; 1/64 oz., $2.75.

Stellata Mixture (Star type) Small, free flowering and rather tall —2 ft. Useful as a pot plant or for cut flower work. Tr. pkt., 75c; 1/64 oz., $1.75.

Eriksson's Private Stock. A Chicago grower's Berlin Market selection. Originator's seed only: priced: Tr. pkt., $1.00; 1/64 oz., $3.00.

TWO POPULAR MIXTURES

As in other years, we also furnish the following two specially blended mixtures, made up by ourselves from the varieties named.

***No. 1 Mixture** consists of equal parts Cremer's and Berlin Market or Weisensee strains.

***No. 2 Mixture** consists as follows: 50% Cremer's, 25% each Berlin Market and Multiflora Gold Centered Strain.

Prices on above two formula mixtures only: Tr. pkt. $1.00; 1/64 oz., $2.00; 1/32 oz., $3.75.

From right to left are pictured the increasingly popular variety Berlin Market, center, most popular Cremer strain with the smaller Multiflora on left. We have excellent supplies of these varieties.

Calceolaria Multiflora Nana is the variety shown to left as it was flowering here at West Chicago this spring. All of these are grown for seed . . . along with several other popular strains.

Prima Donna. Light rose pink shading to carmine. Medium dwarf. Tr. pkt., $1.00.

Scandinavia. Large flowered pot plant strain; bushy habit with dark green foliage and pink flowers. Tr. pkt., $1.00; 1/128 oz., $2.75; 1/64 oz., $5.25.

Scandinavia White. A white selection from the above. Tr. pkt., $1.00; 1/128 oz., $2.75; 1/64 oz., $5.25.

Scandinavia Red. A red Scandinavia selection. Tr. pkt., $1.00; 1/128 oz., $2.75; 1/64 oz., $5.25.

Scarlet Queen. Large flowered scarlet with bronzy-green foliage. Tr. pkt., 50c; 1/32 oz., $1.50.

Vernon. Deep blood-red with dark leaves. Medium dwarf. Tr. pkts. only, 35c.

Mixture. A complete mixture of all colors in the fibrous-rooted class. Tr. pkt., 50c; 1/32 oz., $1.25.

Begonias

SEMPERFLORENS OR FIBROUS ROOTED

(1-2000 seedlings per tr. pkt.)

This ever popular class is quickly grown into nice small flowering plants. And such plants are valuable for fall and early winter combinations. While some of the choice European Heterosis strains formerly supplied are not available, the following list will be found an excellent one. While Red and Pink Pearl cannot be supplied at this time others such as Adeline and King of the Reds are practically as good. As the war progresses we are learning that many we thot indispensable can easily be replaced by others to advantage.

***Adeline.** Extra dwarf, small but free flowering bright pink. Tr. pkts., only, $1.00.

Albert Martin. Large flowered bright carmine. Tr. pkts. only, 75c.

***Carmen.** The original bronze-leaved Begonia. Flowers a bright rose-pink. Tr. pkt., $1.00; 1/64 oz., $2.00; 1/32 oz., $3.75.

Christmas Cheer. Fairly dwarf crimson-scarlet. Tr. pkt., $1.00; 1/64 oz., $1.75; 1/32 oz., $3.25.

***Darling.** Bright clear pink; large flowered and compact growth. Tr. pkt., $1.00; 1/64 oz., $2.25; 1/32 oz., $4.00.

Elegant. Unusually large, blush pink flowers with darker edges. Strong growth. Tr. pkt., $1.00; 1/64 oz., $2.00; 1/32 oz., $3.50.

Erfordia. Free flowering clear pink. Tr. pkt., 50c; 1/32 oz., $1.50.

Essen. Bright rose-scarlet flowers with green foliage. Tr. pkts. only, $1.00.

***Fire Sea.** (Blaze of Fire.) Large fiery red with green foliage. Tr. pkts., only, $1.00.

Glory of Erfurt. Large bright carmine rose. Strong grower. Tr. pkt., 50c; 1/64 oz., $1.15; 1/32 oz., $2.00.

Glow. Showy red flowers with green foliage. Tr. pkts. only $1.00.

Ile De France. A large, pure white flowered variety with light green foliage. Growth fairly compact. Tr. pkt., $1.00; 1/64 oz., $2.00.

***Indian Maid.** Foliage a deep lustrous bronze with richly contrasting scarlet flowers. Dwarf habit. Tr. pkts. only, $1.00.

***King of the Reds.** Glowing red flowers, green foliage, and a vigorous but dwarf and compact habit makes this variety valuable for pots or border work. A fine compact red Begonia. Tr. pkts. only, $1.00.

Lightning. Large carmine-scarlet flowers; deep green foliage. Tr. pkt., $1.00; 1/64 oz., $1.50; 1/32 oz., $2.60.

Luminosa. Deep scarlet with reddish brown foliage. Tr. pkts. only, $1.00.

Mignon. Brilliant salmon-scarlet. Semi-dwarf. Tr. pkt., 50c; 1/32 oz., $1.75.

TUBEROUS BEGONIAS

Some types on our former list cannot be supplied. Of the following we expect American grown supplies.

Tuberous Rooted Single Mixed. Attractive shades of orange, rose, scarlet, etc. Large flowered. Tr. pkts. only, $1.00.

Tuberous Rooted Double Mixed. Large Camelia-flowered double type in mixture of colors. Ours is the famous Vetterle and Reinelt, California-grown strain. Tr. pkts. only, $1.50.

Narcissus-Flowered (Tuberous-Rooted). Flowers closely resembling Narcissus and about 3 in. across. Tr. pkts. only, $1.00.

Calceolarias

(800-1000 seedlings per tr. pkt.)

If the easy but necessary Calceolaria cultural points are attended to, there is nothing easier to grow than this highly attractive pot plant. And nothing easier to sell. Soil for them must be made quite light with well decayed manure and some sand. They must be protected from direct sun especially as it gets strong. We use aster cloth for this. They must be grown cool. Finest we ever produced were in a house that was hard to keep frost from in zero weather. And finally water carefully. Determine the condition of the soil by tapping each pot with end of hose before watering. Much Calceolaria seed is sown in July and Aug. which may be necessary for heavy 5 and 6 in. for Easter. For 5 in. pot plants for Mother's Day we find a Sept. 15-20 sowing about right.

MULTIFLORA NANA MIXTURE (Ball Strain)

The most popular variety on this list. Its fairly small flowers stand warm weather somewhat better than the larger Grandifloras. For this reason it is popular to flower in 4's for Mother's Day. This strain originally consisted almost entirely of red and golden yellow. Plenty variations from these colors will be found in our strain. Tr. pkt., $1.00; 1/128 oz., $2.25; 1/64 oz., $4.00.

Grandiflora Mixed. We do not believe it possible to get more attractive colors into Calceolarias than we have selected into this large flowered strain. Tr. pkt., $1.00; 1/64 oz., $2.25; 1/32 oz., $4.00.

Dwarf Tigered-Spotted. This strain is 100% quite dwarf or compact with very full flower heads. All flowers are spotted and of varying shades of red—no yellows. Tr. pkt., $1.00; 1/64 oz., $2.50; 1/32 oz., $4.50.

Triumph Strain. Largely bright red and yellow shades. Medium size flowers and of vigorous growth. Tr. pkt., $1.25; 1/128 oz., $2.00; 1/64 oz., $3.75.

Monarch Strain. A strong growing, attractively colored Grandiflora Mixture. A few days later flowering than most other varieties. Tr. pkt., $1.00; 1/64 oz., $2.25; 1/32 oz., $4.00.

MISCELLANEOUS ANNUALS

Each year, some 1500 items are on trial here at West Chicago so we can be sure we are giving you "All the best—Nothing else."

ASPARAGUS

750 s. Likes a 75° soil temperature during germination and a sandy soil mixture.

Plumosus Nanus. **Sprengeri.**

Prices on above **EACH:**
100 seeds, 25c; 250 seeds, 50c; 1,000 seeds, $1.25; 5,000 seeds, $5.00; 1 lb., $9.00.

BROWALLIA

Viscosa Compacta Sapphire. 65,000 s. Fine winter and spring flowering pot plant. Compact with a profusion of small light-eyed flowers. Tr. pkts. only, 35c.

CANDYTUFT

Hyacinth-Flowered Giant White. *(Ball Strain).* 9500 s. A fall sowing will flower during mid-winter on raised beds. Tr. pkt., 20c; ½ oz., 40c; 1 oz., 75c; 4 ozs., $2.35; 1 lb., $7.50.

For perennial *Candytuft* or *Iberis*, see page 21.

CENTAUREA CYANUS

(Bachelor Button.) 6500 s. Ours are the new large flowered strains for florist use.

***Blue Boy.** The standard Bachelor Button blue.

***Pinkie.** Attractive rose.

Red Boy. Carmine rose.

Snow Man. Pure White.

Formula Mixture of all colors in this class.

Prices EACH: Tr. pkt., 15c; 1 oz., 40c; 4 ozs., $1.35; 1 lb., $4.50.

For hardy *Centaurea Montana*, see page 20.

DIDISCUS

Coeruleus *(Blue Lace Flower).* 10,000 s. Attractive cut flower for fall from a July sowing or later from an after Mum planting. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

DRACAENA

Indivisa. 1500 s. The narrow-leaved and most popular. Tr. pkt., 15c; 1 oz., 40c; 4 ozs., $1.25; 1 lb., $4.00.

Australis. 1000 s. The broader-leaved kind. Tr. pkt., 20c; 1 oz., 85c.

EXACUM

***Affine** 27,000 s. per 1/32 ounce. An easily grown richly fragrant pot plant. Deep lavender-blue flowers with contrasting yellow stamens and attractive light green foliage. Tr. pkts., only, $1.00.

GREVILLEA

Robusta *(Australian Silk Oak).* 3,000 s. Popular for specimen or combination work. Tr. pkt., 20c; 1 oz., 90c; 4 oz., $2.50.

GYPSOPHILA

ELEGANS *(Baby's Breath).* 24,000 s. A fast growing catch-crop.

***Covent Garden Market.** Our fine large flowered standard strain. 1 oz., 25c; 4 ozs., 70c; 1 lb., $2.00.

Paris Market. *(Multiflora Strain).* Medium sized flowers. 1 oz., 20c; 4 ozs., 50c; 1 lb., $1.60.

For *hardy Gypsophila*, see page 21.

IMPATIENS

Sultani. 20,000 s. 18 in.
Bright rose. Tr. pkt., 50c; 1/16 oz., $1.85.

Holsti Hybrids. 55,000 s.
Mixture. Tr. pkt., 50c; 1/16 oz., $1.00.

LUPINE (Annual)

The popular early spring crop of Lupines comes from a late summer sowing in pots. When well started, they can be hardened off and kept in cold frames until Mum beds are cleared.

*GIANT KING. 1300 s. The preferred strain for greenhouse cut flower work. Long-stemmed and large-flowered.

MISCELLANEOUS ANNUALS—Continued

LUPINE—Continued

*Oxford Blue *(Dark Blue)*. Standard rich deep blue. **Sky Blue.**

Heliotrope. A pleasing rosy lavender. **White.**

Mixture of all colors.

Prices on above, EACH: Tr. pkt., 20c; 1 oz., 50c; 4 oz., $1.60. For perennial or *Polyphyllus Lupine,* see pages 21 and 22.

MARIGOLD

For mid-winter cutting Marigolds are hard to beat. Free flowering with bright positive colors and growth that isn't affected by dark mid-winter weather are strong points in their favor.

WINTER FLOWERING. 9,000s. The following are "short day" varieties that flower only in the short days of winter. The sowing season is, therefore, limited in our latitude, beginning end of July to first part of December. Plant on bed 10 x 12 in., 25 ft. on end of bench is ample for most retail growers.

***Australian Tree.** The standard variety. Rich mahogany-red with golden yellow crest. 95% double. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., $1.00.

Lieb's Strain. Very similar to above. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

Lieb's Winter Sunshine. Large double-flowered clear yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

GIANT AFRICAN. 10,000 s. For December flowering sow in mid-August and transplant in shallow beds. This runs them up into a fine single-stemmed crop on 18 in. stems.

***All-Double Orange.** The standard large flowered variety.

***All-Double Lemon.**

***All-Double Mixture.**

***Gold Imp.** (carnation flowered). Brilliant golden orange; fine, long-stemmed cut flower variety. Odorless foliage.

Prices on above, EACH: Tr. pkt., 25c; ¼ oz., 40c; 1 oz., $1.40.

MIGNONETTE

27,000 s. Sow seed in pots in August and plant out in a Carnation temperature 10 x 12. Disbudding and supporting produce fine long-stemmed flowers.

Ball Strain. Selected for earliness and full spikes of large white flowers. ½ tr. pkt., 60c; tr. pkt., $1.00; ¼ oz., $1.75.

New York Market. Tr. pkt., 75c; ¼ oz., $1.50.

MYOSOTIS (Forget-me-not). 44,000 s.

***Ball Early.** Ours is the original and true WINTER FLOWERING variety. An August sowing will flower continuously from November on thruout the dark winter months, 8 to 10 in. stems. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., $2.85.

For *other Myosotis,* see page 22

NASTURTIUM

175 s. The following varieties are of the double climbing type that, from an August sowing, will produce an abundance of brightly colored flowers thruout the winter months. Plant 12 in. apart in a well exposed location and with substantial support.

Golden Gleam. The original golden yellow double variety.

Scarlet Gleam. A brilliant color.

Gleam Hybrids. A very complete mixture.

Prices on above, EACH: 1 oz., 15c; 4 ozs., 50c.

SCHIZANTHUS

2-3000 seeds per tr. pkt.

This is very much a cool temperature plant so doesn't do well in the deep South. Schizanthus are valuable to a retail grower for cutting as well as for pot plants. To flower them during mid-winter, the roots must be restricted to either pots or shallow benches. An August 1 sowing, grown in 45-48 degrees will flower for Valentine's Day.

SCHIZANTHUS—Continued

***BALL DWARF MIXTURE**

Thru selection over a number of years we have perfected this strain to where it comes 80-85% true dwarf. In this form it is an attractive pot plant. It should be flowered in not over a 4 in. pot. We recommend a sowing around October which will flower early Spring. A December or early January sowing is grown into nice 3 in. specimens for combinations. T.P. 50c; ⅛ oz., $1.50.

***Ball Brilliant Blend.** A carefully blended mixture of medium dwarf strains, all large flowered with fairly dark bright colors. Well suited to cutting; if properly pinched, makes fine pot specimens. Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., $1.15.

Dr. Badger's Improved Hybrids. An extra large flowered strain with choice colors and medium dwarf habit. An excellent all purpose strain, being large enuf for pot plants and long-stemmed enuf for cutting. Tr. pkt. 35c; ¼ oz., $1.00.

***Pansy-Flowered** *(Danbury Park)*. The only true Pansy-flowered strain we have ever flowered. Comes quite true to large flat pansy-like flowers. Attractive soft pastel shades. Tr. pkt., 35c; ⅛ oz., $1.00.

ORIGINATOR'S PACKETS at 75c each.

***Giant Blotched.** Noted for its brightly colored flowers, each having a bold dark center that contrasts well with the bright pink and rose shades that predominate. Two to three weeks earlier than most strains and effective as a pot plant if well pinched. Tr. pkt., 50c; ⅛ oz., $1.25.

Monarch Strain. Extra large flowered, even some larger than Dr. Badger's. Has same desirable medium tall habit and choice range of colors; many bright rose shades. Tr. pkt., 50c; ⅛ oz., $1.00.

STATICE

Our annual Statice is grown for us by a specialist that insures us first-class strains of high germination.

Bonduelli Superba. 350 seed heads per ounce. Similar to Sinuata class. Large yellow flowers. Tr. pkt., 15c; 1 oz., 40c; 1 lb., $4.00.

Sinensis. 17,000 s. 18 in. Pure white with canary-yellow. Tr. pkt., 25c; 1 oz., 75c; 4 ozs., $2.50.

Suworowi. *(Russian or Rat Tail Statice)* 12,000 s. An October sowing carried along in pots and planted after Mums will produce fine long spikes in early spring. A fine early cut flower item. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

SINUATA. 350 seed heads per ounce. Grown extensively in the south.

***Market Grower's Blue.** Fine even deep blue. Excellent.

***Lavender Queen.** A very pleasing and bright pastel lavender.

***Snow Witch.** Improved, white.

Kampf's Tall Improved. Standard long-stemmed blue.

True Blue. **Rosea Superba.** Rosy lavender.

***New Hybrids Mixture.** A very attractive and varied mixture.

Prices on above, EACH: Tr. pkt., 15c; 1 oz., 25c; 1 lb., $3.00. For *perennial Statice,* see page 23.

VENIDIUM

65,000 s. Sow in August or September for a spring crop.

Fastuosum. Brilliant orange with dark center.

Ball Hybrids. A very interesting and varied array of colors.

Prices on above, EACH: Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.50.

WALLFLOWER

(Annual). 14,000 s. Choice richly fragrant spikes flowering in spring. A circular outlining our method of handling this attractive crop is enclosed with every order for seed.

***Gold Standard.** Deep rich golden yellow; the best color.

Golden Yellow Flaked Brown.

Prices on above, EACH: Tr. pkt., 25c; ¼ oz., 75c.

For *other Wallflower,* see Cheiranthus, page 20.

MISCELLANEOUS PERENNIALS

ACHILLEA

*__Filipendula Parker's Variety.__ (Eupatorium). 22,000 s. 4 ft. Fall flowering. Large golden yellow umbels. Perfectly hardy with us. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.75.

*__The Pearl__ (Ptarmica). 175,000 s. 30 in. The standard double white for cutting. Tr. pkt., 25c.

ALYSSUM

The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.

*__Saxatile Compactum.__ 30,000 s. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

__Saxatile Silver Queen.__ (Sulphureum). 30,000 s. Same as above but a light lemon yellow. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

ANCHUSA

*__Barrelieri.__ 5500 s. 15 in. Very fine Forget-me-not blue rock garden plant. Flowers middle to end of May. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.50.

__Dropmore Strain.__ (Italica). 1100 s. 6 ft. Nice blue for cutting. Tr. pkt., 15c; ¼ oz., 20c; 1 oz., 50c.

__Myosotidiflora.__ 10,500 s. 12 in. May flowering Forget-me-not blue. Tr. pkt., 50c; ⅛ oz., $1.75; ¼ oz., $3.25; 1 oz., $12.00.

ANTHEMIS

__Kelwayi__ (Hardy Marguerite). 85,000 s. 3 ft. Yellow Daisy flowers produced thruout the summer. Tr. pkt., 15c; 1 oz., 50c.

AQUILEGIA (Columbine) 15,500 s.

*__Longissima.__ Delicate pale yellow with extra long (4 in.) spurs. Richly fragrant. Tr. pkt., $1.00; 1/16 oz., $3.00; ⅛ oz., $5.00.

*__Longissima Hybrids.__ A variety of attractive red and yellow shades in the Longissima type. Tr. pkt., 50c; 1/32 oz., $1.75.

*__Mrs. Nichols.__ A large flowered clear deep blue Columbine. Tr. pkt., 50c; ⅛ oz., $1.00; 1 oz., $7.00.

*__Crimson Star.__ Deep blood red with white corolla. Tr. pkt., 75c; ⅛ oz., $2.00.

*__Mrs. Scott Elliott's Hybrids.__ An excellent and popular long-spurred mixture. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., $3.35.

__Alpina.__ 2 ft. Blue. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.25.

__Silver Queen__ (Chrysantha). Long-spurred white. Prefer Snow Queen. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.50.

__Coerulea__ (Rocky Mountain Columbine). Sky-blue with white corolla. Tr. pkt.. 25c; ¼ oz., 55c; 1 oz., $1.85.

*__Snow Queen.__ (Candidissima). 18 in. Finest pure white variety. Tr. pkt., 25c; ¼ oz., $1.50; 1 oz. $5.00.

__Rose Queen.__ Rose shades with white corolla; varies in color. Tr. pkt., 25c; ¼ oz., 90c; 1 oz., $3.00.

__Glandulosa Vera.__ 18 in. Large spurless flowers. Bright blue with white corolla. Tr. pkt., 75c.

__Mixture__ of all colors in this long-spurred class. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.90.

ARABIS (Rock Cress)

*__Snowcap.__ 150,000 S. 6 in. Of a dwarf and compact habit. Excellent. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., $2.50.

__Alpina.__ 150,000 S. 12 in. White. Tr. pkt., 20c; ¼ oz., 35c; 1 oz. $1.00.

ARMERIA

__Maritima__ (Statice Armeria). 17,500 S. 12 in. Lilac-rose. Tr. pkt., 50c.

ASCLEPIAS

__Tuberosa.__ 4500 S. Fine orange for cutting. Requires well drained location. Freezing over winter helps germination. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., $3.25.

ASTER (Hardy)

*__Wartburg Star__ (Subcoeruleus.) 15,000 S. 18 in. Very nice rock garden material; tall and large enuf for cutting. Very hardy and June flowering. Tr. pkts. only, 50c.

__Dark Beauty__ (Alpina). 26,000 S. 12 in. Single deep blue. Tr. pkt., 35c; ⅛ oz., $1.25.

__Novi-Belgi.__ 90,000 S. New Hybrids. Fall flowering. Tr. pkts. only, 35c.

AUBRIETIA

__Large Flowered Hybrids__ (Monarch strain). 150,000 S. 6 in. This new strain shows a particularly wide and bright color mixture. Tr. pkt., 35c; ¼ oz., $1.25; 1 oz., $4.00.

For Baby's Breath, see Gypsophila, pages 17 and 21; also Euphorbia Corollata, page 20.

BAPTISIA

__Australis__ (False Indigo). 1700 S. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., 15c; 1 oz., 75c.

BELLIS

__Perennis__ (Double English Daisy). 100,000 S. 6 in. At this writing the only variety we have available is Rose; all other varieties are sold out until Fall.

__Rose.__ A deep rose color. Tr. pkt., 50c; ¼ oz., $1.25.

BOLTONIA

__Latisquama.__ 95,000 S. 4 to 5 ft. Delicate pink. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

CAMPANULA

CARPATICA. 350,000 S. 12 in. Dwarf perennial.

__Blue, White__ and __Hybrid Mixture,__ a strain containing many new colors in this dwarf class.

EACH: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.85.

MEDIUM CALYCANTHEMA. (Cup-and-Saucer Type). 120,000 S. 3 ft. Biennial.

__Dark Blue Light Blue Rose White__

EACH: Tr. pkt., 20c; ¼ oz., 40c; 1 oz., $1.45.

__Mixture.__ Tr. pkt., 15c; ¼ oz., 35c; 1 oz., $1.25.

MEDIUM SINGLE (Canterbury Bells.) 135,000 S. 3 ft. Biennial

__Blue Lilac Rose White__ and __Mixture__

EACH: Tr. pkt., 15c; 1 oz., 50c.

PERSICIFOLIA. 340,000 S. 30 in. Perennial.

__White Blue Mixture__

EACH: Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.50.

PYRAMIDALIS (Chimney Campanula). 250,000 S. 5 ft.

__Mixture.__ Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

For Perennial Candytuft, see Iberis, page 21.

CARNATION

GRENADIN (Hardy Carnation). 14,000 S. 20 in. Good for cutting

__White.__ Tr. pkt., 50c; ¼ oz., $1.35; 1 oz., $4.50.

__Pink.__ Tr. pkt., 50c; ¼ oz., $1.35.

__Golden Sun Red Mixture__

Above three varieties: Tr. pkt. only, 50c.

MISCELLANEOUS PERENNIALS—Continued

CATANANCHE

Coerulea. 16,000 S. 30 in. Everlasting light lavender-blue Centaurea like flowers produced freely first year from seed. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., $1.25.

CENTAUREA

Montana. 1600 S. 24 in. Large Cornflower-blue flowers. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., $1.50.
For Annual Centaurea Cyanus, see page 17.

CERASTIUM

*__Tomentosum.__ 42,000 S. 10 to 12 in. White edging and rockery plant. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., $2.50.

CHEIRANTHUS (Wallflower)

*__Golden Bedder.__ 19,000 S. 18 in. Large deep golden yellow. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Allioni (Siberian Wallflower). 19,000 S. 18 in. Free flowering brilliant orange. Tr. pkt., 10c; 1 oz., 30c.
For Annual Wallflower, see page 18.

CHRYSANTHEMUM

*__Korean Hybrids.__ 60,000 S. Single and semi-double types. Very attractive color mixture. Flowers first part of October. Tr. pkt., $1.00; ⅛ oz., $2.00.

Indicum. 77,000 S. Large flowered double and semi-double types. Tr. pkt., 50c; ⅛ oz., $1.25.

Japonicum. 77,000 S. (*Japanese Mountain or Cascade type*). Single mixture. Tr. pkt., 35c; ¼ oz., $1.50; 1 oz., $5.00.
For *Chrysanthemum Leucanthemum*, see Daisy page 20.
For *Columbine*, see Aquilegia, page 19.

COREOPSIS

*__Sunburst__ (New Gold). 11,000 S. A fine semi-double strain. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., 90c.

*__Mayfield Giant.__ 11,000 S. Extra large deep golden yellow. Single. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 65c.

DAISY (Chrysanthemum Leucanthemum)

__Double Fringed__ (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 50c; ⅛ oz., $1.00; ¼ oz., $3.50.

Elder. 65,000 S. Earliest flowering—early June.

*__June Marguerite.__ 40,000 S. Large June flowering variety.

*__Mayfield Giant.__ 21,000 S. Quite large flowered, end of June.

Alaska. 21,000 S. The standard Shasta Daisy. July.

Conqueror. 21,000 S. Giant late white. Late July.

Prices EACH above: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 90c.
English Daisy, see Bellis, on page 19.
For Delphinium Varieties, see page 9.

DIANTHUS 28,000 S.

Allwoodi Alpinus Mixed. 8 to 10 in. 1½ in. single flowers in shades of pink. Early June. Tr. pkt., 35c; ⅛ oz., $1.00.

*__Deltoides Erecta.__ 6 in. June flowering. A dwarf Maiden Pink. Bright red. Tr. pkt., 50c; ¼ oz., $2.00; 1 oz., $7.00.

Knappi. 12 to 15 in. June flowering. Small clusters of single yellow flowers. Perfectly hardy. Tr. pkt., 50c; ⅛ oz., $1.50; ⅛ oz., $2.75.

*__Loveliness.__ 20 in. Large, freely produced, light lavender flowers, quite fragrant and with highly fringed and curled petals. Tr. pkt., 50c; ⅛ oz., $1.25.

*__Latifolius Atrococcineus.__ 12 to 15 in. Miniature Rose-like flowers. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

DIANTHUS—Continued

Plumarius, Single Mixture (Clove Pink). 20 in. Early, free flowering and sweet scented. Tr. pkt., 15c; ¼ oz., 40c; 1 oz., $1.25.

*__Neglectus, Rose Cushion.__ 6 in. Very attractive neat rock plant. Many small rose-pink flowers extending above a dense mat of foliage. Perfectly hardy. Tr. pkt., 50c; ⅛ oz., $1.25.

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed.

*__Holborn Glory.__ Striking combination of crimson with white.

*__Newport Pink__ (Pink Beauty). A particularly rich pastel salmon rose shade. Very attractive. Trade Packets only.

Purple Beauty.

Scarlet Beauty. Well named.

Giant White. Ours is a particularly large flowered strain.

Single Mixture.
Prices EACH above. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

*__Double Mixture.__ Tr. pkt., 35c; ¼ oz., 60c; 1 oz., $2.00.

*__Single Midget Mixed.__ Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 50c; ¼ oz., $1.35.

*__Double Midget Mixed.__ 6 to 8 in. with heads of double Sweet William flowers. A very nice hardy rock and alpine plant. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.50.

DICTAMNUS

Fraxinella (Gas Plant). 1700 S. 30 in. Pink with dark veins. Sow seed in the fall and allow to stand outdoors over winter for good germination. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.85.

DIELYTRA (Dicentra)

Spectabilis (Bleeding Heart). 1600 S. 32 in. Sow seed in fall and allow to stand outdoors over winter for good germination. Tr. pkt., 75c; ¼ oz., $4.00; 1 oz., $15.00.

DIGITALIS

GLOXINOIDES (Foxglove) 180,000 S. 4 ft.

Purple, Rose, White, and **Giant Shirley Mixture** Each: Tr. pkt., 15c; ¼ oz., 35c; 1 oz., $1.25.

DORONICUM

18,000 S. (Leopard's Bane). Attractive yellow Daisy-like flowers.

*__Bunch of Gold.__ (Pardalianches). 30 in. Long-stemmed and extra free flowering. Fine. Tr. pkts. only, 50c.

Caucasicum. Tr. pkt., 50c; ⅛ oz., $1.00.
For EDELWEISS, see Leontopodium on page 21.

ECHINOPS

Ritro (Ornamental Thistle). Blue flower heads 1½ to 2" in diameter. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., $1.25.

EREMURUS

Species Mixed. Tall stately flower spikes 4-8 ft. in shades of pink and white. Tr. pkt., 50c; ¼ oz., $2.00; 1 oz., $7.00.

ERYNGIUM

Amethystinum. 19,000 S. 3 ft. Large Amethyst-blue. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.25.

EUPHORBIA

Corollata (Wild Baby's Breath). 8700 S. 24 in. Small Gypsophila-like white flowers. Tr. pkt., 35c; ¼ oz., $1.25; 1 oz., $4.00.

Polychroma. 15-20 in. Very compact plant producing brilliant yellow bracts of leaves. Perfectly hardy with us. Tr. pkt., 50c; ⅛ oz., $1.25.

Myrsinites. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. Tr. pkt., 35c; ⅛ oz., $1.15.

MISCELLANEOUS PERENNIALS—Continued

For FEVERFEW, see Matricaria, page 22.
For FOXGLOVE, see Digitalis, page 20.

GAILLARDIA

GRANDIFLORA. 9500 S. The large flowered, long-stemmed class.

*__Dazzler.__ The standard fine cutting strain. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

*__Monarch Strain.__ A very superior mixture of large, full petaled flowers with an unusually bright color mixture. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.60.

Burgundy. Deep shade of wine red. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

Maxima Aurea. Yellow. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., $1.35.

The King. Large deep red flowers edged gold. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.75.

Portola Hybrids Mixed. Standard hybrid mixture. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., $1.45.

Goblin. 12 to 14 in. Forms very attractive compact plants. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., $2.25.

For GAS PLANT, see Dictamnus, page 20.

GEUM 7000 s.

Lady Stratheden. 24 in. Double golden yellow.

Mrs. Bradshaw. 24 in. Double glowing red.

Prices EACH above: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.65.

GYPSOPHILA

34,000 S. A planting of several varieties of hardy Gyp. is interesting and valuable for outdoor summer cutting.

*__Pacifica.__ 42 in. Attractive shade of bright pink. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.50.

*__Oldhamiana.__ 30 in. Heads of feathery light rose-pink flowers. Flowers first season from an early sowing. October flowering—watch frost dates. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

PANICULATA. The regular white hardy Gyp. Note that double grafted varieties like Bristol Fairy are *not* available from seed.

*__Double Snow Flake.__ 40 in. An improved double hardy Gyp. Produces about 50% double flowering plants. Tr. pkt., 35c; ¼ oz., $1.15; 1 oz., $4.00.

Single White. Tr. pkt., 15c; 1 oz., 35c.

REPENS. 6 in. An attractive hardy rock garden plant.

Rose. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., $2.50.

White. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., $1.35.

For ANNUAL GYP, see page 17.

HELIANTHEMUM

Mutabile (Rock Rose). 15,000 S. 8 to 10 in. Very attractive dwarf evergreen rock plant. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., $1.25.

HEUCHERA

Sanguinea *(Coral Bells)*. 750,000 S. 24 in. Crimson. Tr. pkt., 50c.

HOLLYHOCK

Imperator. 2700 S. Choice double fringed mixture. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.60.

Allegheny Mixed. 2700 S. Single and semi-double types. Tr. pkt., 15c; 1 oz., 50c.

CHATER'S DOUBLE. 3100 S. The standard double Hollyhock.

Chamois, Deep Rose, Lilac Beauty, Newport Pink, Scarlet, Sulphur Yellow, White, and **Mixture** of all colors.

EACH: Tr. pkt., 25c; ¼ oz., 40c; 1 oz., $1.25.

IBERIS 11,500 S.

Gibraltarica. 12 in. Large flowered lilac. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., $1.25.

Sempervirens. 12 in. Flowers end of May. White. Seedlings flower second season. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., $2.25.

LATHYRUS

LATIFOLIUS (Hardy or Everlasting Sweet Pea.) 550 S. Abundant source of short-stemmed flowers.

Pink Beauty White Pearl Red Mixture

EACH: Tr. pkt., 15c; 1 oz., 75c.

LEONTOPODIUM

Alpinum (Edelweiss). 275,000 S. Attractive rock garden plant. Small greenish white leaves. Tr. pkt., 35c; ⅛ oz., $1.25.

LEUCOCORYNE

Ixioides Odorata. (Glory of the Sun) Light blue bulbous plant requiring two or three years from seed sowing to flowering sized bulbs. Tr. pkt., 75c; ⅛ oz., $1.50; 1 oz. $10.00.

LIATRIS (Blazing Star)

9500 S. Excellent cut flowers, long decorative, bold spikes. Used very effectively in basket arrangements.

Spicata. Not quite so long-stemmed or with as long flower spikes as Pycnostachya; purple. Prefers a damp low location. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.25.

Scariosa, Rosy Purple. Extra large individual flower heads on long, loosely set spikes. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., $3.25.

White Spire. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.25.

*__Pycnostachya.__ Extra long-stemmed—3 to 5 ft. with long 15 to 18 in. flower spikes of rosy purple. Finest cut flower kind. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., $3.00.

*__Scariosa White.__ A very fine pure white. Long closely set flower spikes. Our strain comes about 85% true to type. Tr. pkt., 50c; ¼ oz., $1.60; 1 oz., $5.50.

LINUM

Perenne (Perennial Flax). 8500 S. Blue. Tr. pkt., 15c; 1 oz., 40c.

LOBELIA

Cardinalis (Fulgens). 725,000 S. (Cardinal Flower). 36 in. Tr. pkt., 25c; ¼ oz., 85c; 1 oz., $3.25.

Syphilitica. 1,750,000 S. 2 to 3 ft. Attractive blue spikes. Tr. pkt., 25c; ¼ oz., $1.50.

LUNARIA

BIENNIS (Honesty or Money Plant). 1500 S.

White Crimson Mixture

EACH: Tr. pkt., 20c; ¼ oz., 30c; 1 oz., $1.00.

LUPINUS

POLYPHYLLUS (Hardy Lupine). Fine cutting material. Requires a well drained location and thrives best in cool climates.

*__Russell Strain.__ 1000 S. Unusually long closely set flower spikes and the widest range of attractive colors found in Hardy Lupines.

Reselected Stock (Originator's packets) 20 seeds, 25c; 65 seeds, 65c; 150 seeds, $1.25; 350 seeds, $2.50.

Grown from Originator's Stock. Tr. pkt., 25c; ¼ oz.. 50c; 1 oz., $1.75.

LILY WHITE QUEEN

LUPINUS—Continued

MISCELLANEOUS POLYPHYLLUS VARIETIES. 1450 S.

Dark Blue. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., $1.15.

Luteus. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., $1.15.

White. Tr. pkt., 15c; 1 oz., 60c.

***Harkness Regal Mixture.** The standard fine hybrid mixture. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., $1.00.
For *Annual Lupine*, see pages 5, 17 and 18.

LILIES FROM SEED

Lily White Queen has added new importance to seed-produced Lilies. In addition to low material cost (no bulb bills) and absolutely disease free stock, this new strain flowers 15 months from seed and with flowers fully equal to fine Erabu specimens. Used considerably as a cut flower strain. A circular detailing cultural method of handling White Queen Lily from seed will be enclosed with every order for seed or gratis upon request.

***White Queen.** 8200 S. The largest flowered pure white seed propagated Lily we know of. A fine variety. ½ tr. pkt., 60c; tr. pkt., $1.00; ⅛ oz., $1.75; ¼ oz., $3.75; 1 oz., $12.00.

Philippinense Formosanum, Giant Flowered. 8200 S. An improved form of the original stock of Philippine Lily. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., $2.75.

Philippinense Formosanum Improved. 8200 S. The original Philippine Lily. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

Regale (Regal Lily). 6500 S. White with primrose center. Tr. pkt., 15c; 1 oz., 65c.

LYCHNIS 64,000 s.

Chalcedonica. 36 in. Scarlet. Tr. pkt., 15c; 1 oz., 65c.

MATRICARIA Capensis (Feverfew) 145,000 s.

***Ball Double White.** Since introducing this strain in '34 demand for it is constantly increasing as a standard greenhouse and outdoor cut flower crop. Differs from ordinary cutting propagated strain in having smaller and more compact completely double flowers that hold up much better in shipping and handling. Responds readily to additional lighting for forcing. 18 in. outdoors, 2-3 ft. under glass. Tr. pkt., 35c; ⅛ oz., $1.00; ¼ oz., $1.75.

Double Golden Ball. 10 in. Dwarf, semi-double yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

MISCELLANEOUS PERENNIALS—Continued

MYOSOTIS (Forget-me-not) 42,000 s.

***Blue Bird** (Oblongata). 12 in. Standard blue for Spring greenhouse flowering. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., $2.75.

ALPESTRIS. Biennial.

***Royal Blue** (Indigo Blue). 12 in. Deep rich blue. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

Blue Basket. 12 in. Deep blue; of spreading habit. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

Pink Bouquet (Stricta Grandiflora). Medium deep pink shade; compact upright habit. Tr. pkt., 50c.
For *Myosotis Ball Early*, see page 18.
For *Painted Daisy*, see Pyrethrum, next page.
For *Oriental Poppy*, see below.

PHLOX (Perennial)

Hybrid Mixture (Decussata). 2500 S. 3 ft. Our Strain contains many new large flowered, brilliantly colored types. Tr. pkt., 25c; ¼ oz., 85c; 1 oz., $3.00.

PHYSALIS

***Francheti Gigantea.** Same brilliant orange seed pods as ordinary strain but much larger. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., $1.50; 1 oz., $5.00.

Francheti (Chinese Lantern Plant). 18,000 S. Large decorative orange seed pods. Tr. pkt., 15c; 1 oz., 75c.

PHYSOSTEGIA

Virginica. 16,000 S. 4 ft. Rosy lilac. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.50.
For *Pinks*, see Dianthus, pages 1 and 20.

PLATYCODON

GRANDIFLORUM (Tufted Harebell or Balloon Flower). 28,000 S. 24 in. Very attractive for spring sales, perfectly hardy.

White, Blue, a clear deep violet-blue.
EACH: Tr. pkt., 20c; ¼ oz., 45c; 1 oz., $1.50.

POPPY

ORIENTALE (Oriental Poppy). 140,000 S.

Beauty of Livermere. Dark oxblood-red. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., $3.50.

Brilliant. 40 in. Vivid, fiery red. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.75.

Mrs. Perry. Fine salmon-rose. Tr. pkt., 35c; ⅛ oz., $1.15.

Mixture of all colors. Tr. pkt., 25c; ¼ oz. 75c; 1 oz., $2.75.

PRIMULA

VERIS. 33,000 S. Especially the new large flowered Colossea has proven the usefulness of this class for spring pot plants and combinations, since they can be moved without harm while flowering. Plants lifted from outdoors in the fall will make specimen pot plants from February and March on. Also makes fine hardy border plants if given partial shade.

***Colossea.** Our trials of this strain show a real improvement in flower size, new bright colors, and strong growth. Originator's Tr. pkt., only, 75c.

***Giant Munstead Strain.** The standard strain for bedding. Not so tall as above; in shades of yellow. Tr. pkt., 75c; ⅛ oz., $2.00; ¼ oz., $3.75; 1 oz., $14.00.

***Polyanthus Mixture.** Unwin's Strain. 12 in. Tr. pkt., 50c; ⅛ oz., $1.25; ¼ oz., $2.25; 1 oz., $8.00.

Giant Monarch Strain. A fine large flowered mixture. Tr. pkt., 75c.

Giant Crimson. Large flowered Giant. Tr. pkt., 75c.

Giant Yellow. A Giant separate color selection. Tr. pkt., 75c.

MISCELLANEOUS PERENNIALS—Continued

PRIMULA—Continued

Vulgaris. (True Yellow English Primrose). 19,000 S. 6 in. Sow seed in the fall and allow to stand out-doors over winter for proper germination. Tr. pkt., 50c; ¼ oz., $1.50; 1 oz., $5.00.

Bulleesiana Hybrids. 130,000 S. 18 in. Mixture. Seed of irregular germination. Tr. pkt., 50c; ⅛ oz., $1.15.

For other PRIMULA varieties, see page 14.

PYRETHRUM

The ROSEUM type contains the standard cut flower varieties.

Uliginosum. 62,000 S. 3 ft. Single white, daisy-like flowers. Tr. pkt., 35c; ¼ oz., $1.50; 1 oz., $5.50.

ROSEUM (Painted Daisy). 18,000 S. The standard hardy class.

***Semi-Double Mixture.** An excellent strain. Tr. pkt., 50c; ¼ oz., $1.50; 1 oz., $5.00.

***James Kelway.** Fine dark red cut flower variety. Tr. pkt., 50c; ¼ oz., $2.25.

Robinson's Dark Crimson. An extra large flowered, true strain of dark crimson Pyrethrum for cutting. Tr. pkts. only, 50c.

Single Mixed. An attractive mixture of colors in the large-flowered single type. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.75.

***Robinson's Hybrids.** Large single mixture. Tr. pkt., 50c; ¼ oz., $1.75; 1 oz., $6.00.

Atrosanguineum. A popular dark crimson strain. Tr. pkt., 35c; ¼ oz., $1.50; 1 oz., $5.00.

RUDBECKIA

Purpurea (Echinacea). 7000 S. 4 ft. Reddish purple. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., $2.25.

SALVIA

Patens. 3800 S. 30 in. Navy blue hardy Salvia. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.75.

SAPONARIA

Ocymoides. 5500 S. 12 in. Trailing rose hardy rock plant. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

SCABIOSA

2400 S. Seed germination sometimes slow and irregular.

Columbaria Lavender. Delicate color.

Columbaria Pink. Orchid-pink shade.

Caucasica Perfecta. Large flowered improved form of this lilac-lavender strain.
EACH: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.00.

***Caucasica, House Hybrids.** Shades of lavender and blue. Use this strain for a small bed of hardy cutting Scabiosa. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., $2.85.

Fischeri. 30 in. rounded bushy plants. Flowers medium-sized and a bright lilac-lavender color. Very free flowering and perfectly hardy with us. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., $2.25.

SEMPERVIVUM (House Leek)

Perennial Mixture. 325,000 S. Tr. pkt., 35c; 1/64 oz., $1.00.

STATICE

Perennial Statice are very hardy, make good cut flower material and some as noted can be successfully dried and dyed.

Caspia. 175,000 S. 30 in. Seedlings flower second season. Lilac. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., $2.25.

***Dumosa.** 19,000 S. 18 in. Dense clumps of silvery gray flowers produced second season from seed. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.85.

STATICE—Continued

Tatarica. 13,000 S. 14 in. Small white flowers that may be dried. Tr. pkt., 20c; 1 oz., 90c.

***Latifolia** (Sea Lavender). 40,000 S. 30 in. Standard blue perennial Statice. Very hardy and may be dried. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., $1.35.

Perezi. 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.85.

Puberula. 5200 S. 8 to 10 in. A dwarf form with flower heads similar to S. Latifolia. Flowers second season. Tr. pkt., 35c; ¼ oz., $1.00; 1 oz., $3.50.

STOKESIA

Cyanea. 3300 S. 16 in. Large blue flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., $2.75.

THALICTRUM

Dipterocarpum. 12,000 S. 3 to 4 ft. Early June flowering. Rosy purple clusters of flowers. Flower second season with us.

Aquilegifolium. 40 in. Shades of lilac and mauve.
Prices EACH above: Tr. pkt., 25c; ¼ oz., 75c.

TRITOMA

Pfitzer's Hybrids, Mirabilis Hybrids. 20,000 S. Yellow and orange shades. Varies.
EACH Tr. pkt., 25c; ¼ oz., 50c; 1 oz., $1.75.

TROLLIUS

LEDEBOURI (Globe Flower). 8000 S. Allow seed to stand out-doors over winter for good germination.

***Golden Queen.** 3 to 4 ft. A fine early large orange variety. Tr. pkt., 50c; ¼ oz., $2.00.

Orange. 24 in. Tr. pkt., 50c; ¼ oz., $1.50.

TUNICA

Saxifraga. 150,000 S. 8 to 10 in. Small rosy lilac flowers produced first season from seed. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., $1.50.

VALERIANA

Rubra. 13,000 S. 36 in. Deep crimson. Good for cutting. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., $1.50.

VIOLA (Cornuta)

Miniature Pansies. Extra free-flowering and effectively used for bedding.

Apricot. Large flowered true apricot shade. Chantreyland better. Tr. pkt., 35c; ¼ oz., $1.25; 1 oz., $4.00.

***Arkwright Ruby.** Maroon-scarlet with dark center. A highly attractive bright color. Tr. pkt., 35c; ⅛ oz., $1.00; ¼ oz., $1.60; 1 oz., $6.00.

Blue Perfection. Large flowered clear medium blue. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., $3.00.

***Chantreyland.** Extra large flowered true apricot. Tr. pkt., 50c; ¼ oz., $1.50; 1 oz., $5.00.

Johnny Jump Up. A tiny flowered, but unique species; purple, blue, and yellow shades. Tr. pkt., 50c; ⅛ oz., $1.35.

***Lutea Splendens.** Clear golden yellow. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., $2.75.

Papilio. Blue and white combination. Extra dwarf and free flowering. Small flowered. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., $2.75.

White Perfection. Pure white. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., $2.75.

Large-Flowered Mixture. Complete mixture of all large flowered varieties. Tr. pkt., 35c; ¼ oz., $1.00; 1 oz., $3.50.

Michigan State Forcing Tomato is a good producer as you can see. Fruit a rich deep scarlet, nicely rounded.

READ GROWER TALKS
See Page 1.

Forcing Vegetables

With the increased demand for vegetables, we have selected a few of the best varieties for forcing. A general list of vegetable seeds will be found in January catalog.

	1 oz.	*4 ozs.*	*1 lb.*
TOMATO. (About 9000 seeds per oz.)			
Michigan State Forcing. WILT RESISTING. New and distinct greenhouse Tomato, developed at Michigan State College. Rich, deep scarlet fruits, globular, medium size, in large clusters. Tr. pkt., 25c	.80	2.70	8.00
Livingston's Globe. Heavy producer. Large purplish pink fruit; smooth and solid	.50	1.60	5.00
Master Marglobe. CERTIFIED. Valuable for shipping and HIGHLY RESISTANT. Smooth; of distinct quality and long bearing. 75 days	.40	1.20	
Bonny Best. Unexcelled for all purposes. Smooth and firm. 73 days	.45	1.25	5.00
Supreme Gulf State. CERTIFIED. Very fine second early, crimson, medium size, very solid, thick skinned, and smooth	.50	1.50	
LETTUCE			
Grand Rapids Forcing. The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early	.15	.50	1.50

RADISH

Early Scarlet Globe. (Short Top). Our strain of this very early forcing variety is a superior one; small tops make it right for bunching. 23 days. An ideal florists' "catch crop" for selling to local stores. 1 oz., 15c; 4 ozs., 35c; 1 lb., $1.00.

Glaswik

For Sub-Irrigating Seed-flats

Glaswik (patent applied for) is the original all-glass wick recommended by Dr. Post, of Cornell, and others, for the sub-irrigation of potted plants, seed flats, etc. Assures steady supply of water, eliminates packing of top soil, induces heavier root and plant growth, speeds and assures better germination. Never corrodes nor decays and is easy and simple to use. One or two 6" Glas-wiks per ordinary seed-flat. **Postpaid Price**—⅜" size for seed flats 15c per foot; roll of 50 ft., $5.50; roll of 100 ft., $10.00.

Flare-out one end of Glas-Wik as shown to measure 3-4" across. Other end passed through hole into container of water.

BUSINESS TERMS

NOTE—CASH DISCOUNT! When cash is enclosed, a discount of 5% is allowed on all orders from $1.00 to $25.00. On $25.00 and over, 8% is allowed. Prices quoted on Cyclamen seed and Plant Bands however are net, no cash discount. Plant and Bulb prices are net unless quoted otherwise in special catalogs or lists.

Cash should accompany all orders unless credit has been established.

IMPORTANT. Make all checks or money orders payable to GEO. J. BALL, INC., WEST CHICAGO, ILLINOIS.

NOTE. Our seed sold only in our printed packets or containers. Order from us only or thru our regular agents.

ALL PRICES in this catalog subject to change without notice.

ALL SEED ORDERS are sent prepaid to U.S. and Canada at catalog prices.

DISCLAIMER. We, Geo. J. Ball, Inc., give no warranty expressed or implied, as to description, quality, productiveness or any other matter of any seeds we sell, and we will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms, they are at once to be returned and the money paid for same will be refunded promptly.

AIR MAIL DELIVERY will be made on request if 8c per oz, is allowed for postage, which includes shipping envelopes.

Our address is WEST CHICAGO, ILLINOIS, on Highways U. S. 330 or Illinois 64—and on Chicago and Northwestern Ry. You are always welcome here.

HALF TRADE PACKETS supplied only where so listed.

OUR BUSINESS IS WITH FLORISTS ONLY. We do not sell at retail.

SHORTAGES—All items in this catalog are offered subject to crop failures or shortages.

WE USE EVERY PRECAUTION to supply seeds of highest quality only and promptly refund price paid for same if unsatisfactory with reasonable care.

All seeds sold under Seedsman's disclaimer.

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BULBS PLANTS

"All the best—Nothing else"

● The splendid reputation of "Flower Seeds for Florists" among the growers of America is in no small way the result of constantly practicing the above slogan.

RANUNCULUS *and* **ANEMONE** *the ideal flower for corsages and high grade decorative work. Ranunculi come in attractive shades white to orange to red. Write for growing instruction.*

● With full knowledge of the truth of this, the BALL PLANT DEPARTMENT in their effort to serve you and your fellow florists keep before them at all times the same thought and insist on supplying you with "All the best—Nothing else" in plants and bulbs.

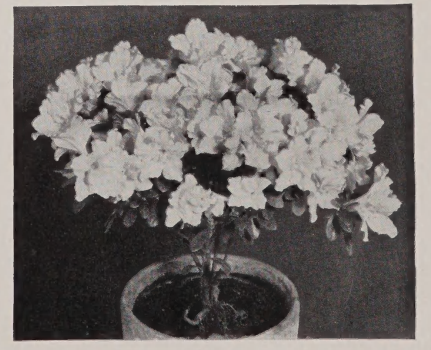
Many items are scarce—but we are well covered. Most growers learned last winter that unless they had ordered their bulbs, forcing and growing-on stock early in the season, material of many sorts was impossible to secure. We believe that during the coming year, there will be a greater demand for flowers by the public. In spite of the fact that we have arranged for more stock of all kinds, our advance orders are heavier than ever before. We can still fill orders for almost all greenhouse items. What do you need? **Let us quote you!**

Anemones	**Amaryllis**	**Azaleas**
Ranunculus	**Callas**	**Begonias**
Freesias	**Tuberous Rooted Begonias**	**Geraniums**
Caladiums	**Gloxinias**	**Roses**
Daffodils	**Ornithogalum**	**Hydrangeas**
Iris		**Poinsettias**

WRITE FOR PRICE LIST ON ITEMS THAT INTEREST YOU

ROSES—*Forcing roses grown to our order on the West Coast by the foremost specialists in this field. Climbers, Baby Ramblers, Hybrid Teas, etc. for spring holiday sales. For Cut flowers, we have nothing but the very highest quality of Dormant and Started Eyes. Send for complete price list.*

AZALEAS—*Dormant plants in the Kurume, Pericat and Indica types for Fall delivery. Small growing-on stock for delivery in the spring of 1943. Produced by this country's leading specialists. Write for growing instructions and price list.*



BALL PLANT DEPARTMENT

Charles Newbold, *Manager*

"Flower Seeds for Florists"

BALL Non-Branching STOCKS

Long flower spikes and large flowers explain the increasing interest in this fine class. We have originated or improved every variety on our list. The demand for our strains leaves it impossible to supply our No. 16 White, pictured, and perhaps a few others, until early September. For an Easter crop, we allow six months from sowing.

Geo. J. Ball.